

Bruce.

63.01
CANADA
1871-1896

ESTABLISHED
1850

CATALOGUE
OF

SEEDS.



1896

John A. Bruce & Co

HAMILTON CANADA

SEED
MERCHANTS

ALPHABETICAL INDEX.

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It Has Been Proven Conclusively
that Potatoes Cut to Single Eye give the
Largest and Best Results.

THE LIGHTNING POTATO EYE CUTTER,



does the work many times faster and is more accurate than the knife. It is gauged to cut enough flesh with each eye to strengthen and vitalize it and does the work in a scientific manner. No matter how small a crop you intend to plant, you should use this cutter.

Full Directions,

HOW TO PLANT POTATOES CUT TO ONE EYE, and valuable points in POTATO CULTURE "by a practical Potato Grower," given with each cutter.

Price 30 CENTS By Mail Post Paid.

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No. 1—Illustrated Seed Catalogue, published 1st January; a descriptive list of Agricultural, Vegetable and Flower Seeds, Culinary Roots, Garden Implements, Spring Flowering Bulbs, etc.

No. 2—Bulb Catalogue, published September 1st, containing a choice collection of Double and Single Hyacinths, Tulips, Polyanthus Narcissus, Crocus, Snowdrops, Crown Imperials, Lilies, etc.

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Plants and Seeds CAREFULLY PACKED for all Climates.

Times Print, Hamilton.



**See page 1 of Catalogue
for Full Instructions to
Purchasers.**

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Province

Total, \$

Date, _____ 1896.

Conditions of Sale—John A. Bruce & Co. take every precaution to supply reliable Seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

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JOHN A. BRUCE & Co.,

EXPORTERS OF CLOVERS AND GRASS SEEDS,
SEED GROWERS AND MERCHANTS.

Office and Warehouse, Corner King and McNab Streets.

HAMILTON, CANADA, 1st January, 1896.

IN presenting the FORTY-FIFTH ANNUAL EDITION of our ILLUSTRATED CATALOGUE OF SEEDS FOR THE FARM, VEGETABLE AND FLOWER GARDEN, GREENHOUSE AND FOREST, of Garden Implements and Agricultural and Horticultural Sundries for 1896, we again appeal with confidence to those who have patronized us so liberally in the past for a continuance of their favors, which have come to us with such gratifying regularity since the establishment of this business, forty-six years ago; and we also avail ourselves of this opportunity to solicit from others whom we have not hitherto had the privilege of serving, a share of their patronage.

Our Catalogue contains nearly everything of value to those engaged in Agricultural and Horticultural pursuits. New introductions of Flowers, Vegetables and Field Roots are annually offered to the public, often with descriptive matter differing widely from the reality, and usually outlined by illustrations of an extravagant character; we have endeavored in our publications, as far as possible, to protect the Vegetable Kingdom from such caricatures. We invariably make ourselves acquainted with the value of what are termed Novelties before offering them, and when this cannot be done, we give the raiser's description only; we make this reference in the interests of those who have not been using our seeds, and who may infer from the modest illustrations, that the product must necessarily be of the same dimensions. One trial will remove any misapprehension of this nature, and prove that in quality our stocks of Seeds for the Farm, the Garden and Greenhouse will compare favorably with the best offered.

The Seed harvest of 1895, on this Continent and in Europe, has given fairly satisfactory returns of almost every crop that the Farmer and Gardener is interested in; and a comparison of our prices with those of previous years will show unmistakable evidence of the fact, that the cheapness prevailing in every product of the Farm is also characteristic of the condition of the Seed trade to-day. This does not arise so much from excessive returns in the yield of our staple Seed crops, as we are of opinion that the demand will exhaust supplies in all important lines; but it is indicative of the tendency of the times towards lower values in every branch of industry; and it is well to consider the element of danger that may exist in buying Seeds too cheaply. The careful cultivator is not readily induced to run a risk in purchasing Seeds because they are offered at tempting prices; a reasonable assurance of good germination and purity, are more essential to him than a questionable economy, and it is only to those who may be induced to patronise the "Bargain Counter" without considering results that we issue this note of warning.

SUGGESTIONS TO CUSTOMERS.

Owing to the extended nature of our business connections, and the heavy expense incurred in collecting accounts, we conduct our business on CASH PRINCIPLES; therefore, orders to receive prompt attention must be accompanied by a remittance of the amount. Remittances can be made in current Bank Bills, Post Office Orders or by Draft, and for amounts under one dollar in Postage Stamps. Post Office Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are sure to reach their destination. The cost of Post Office Order, Draft, or Registering the letter, may be deducted from the remittance on orders amounting to two dollars and upwards. As the Seed season continues only for a few months in the year, there is, of course, a great pressure of business when sowing commences. Except in cases of extreme urgency, all orders will be executed in rotation as received. We will therefore feel greatly obliged if our customers will kindly forward their orders as soon as possible after the receipt of this Catalogue; and please remember to give your **Name, Post Office Address and Province, in full.** We are frequently in receipt of orders deficient in some of these important requisites, often causing a delay of weeks in their execution, greatly to the inconvenience of the sender as well as our own.

FREIGHT RATES AND MAILING CONDITIONS.

For the information and convenience of our customers in Manitoba, the Northwest Territories and British Columbia, we give below the present rates from Hamilton to the various points named. The rates between any two points will be proportioned according to distance. As these rates are subject to change, we cannot guarantee them.

FREIGHT RATES FROM HAMILTON—PER 100 LBS.

To—	On Barley, Oats, Buckwheat, Peas and Wheat.		On Clover, Timothy, Hungarian, Millet, Red Top, and other Grass Seeds.	
	All Rail.	Lake and Rail.	All Rail.	Lake and Rail.
Port Arthur.....	\$0 64	\$0 31	\$0 88½	\$0 38
Winnipeg.....	0 96	0 87	1 22½	1 03
Brandon.....	1 17	1 08	1 53½	1 34
Regina.....	1 39	1 30	1 88½	1 69
Calgary.....	1 73	1 64	2 35½	2 16
Prince Albert.....	1 78	1 69	2 39½	2 20
Edmonton.....	2 06	1 79	2 80½	2 61
Vancouver, B. C.....	2 20	2 20	2 25	2 25
Victoria, B. C.....	2 20	2 20	2 25	2 25

Our postal arrangements enable us to forward Seeds, Bulbs and Plants not exceeding five pounds weight to any Post Office in the Provinces of Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Manitoba, the Northwest Territories and British Columbia, at the rate of four cents per pound, and our careful system of packing will carry them with safety to the most distant point.

Catalogues mailed to any address on application.

Sincerely thanking you for past favors, and soliciting a continuance of the same, with your kind recommendations,

We are your obedient servants,

JOHN A. BRUCE & CO.

BRUCE'S SELECTED VEGETABLE SEEDS

FOR 1896

CONDITIONS OF SALE—John A. Bruce & Co. take every precaution to supply reliable seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

SEEDS BY MAIL.—All Seeds are sent free of charge at Catalogue Prices when the weight does not exceed four ounces; when exceeding this weight postage must be added at rate of 4 cents per pound or pint within the Dominion, and at rate of 8 cents per pound or pint to the United States.

ARTICHOKE. *Artschant*, Fr. *Artischoke*, Gr.

Sow in April or May, in drills two inches deep; thin the plants to four inches, and when strong, transplant in deep, rich soil, two feet apart each way; keep the earth loose about them in summer, and cover during the winter with dry litter or leaves for protection.

Green Globe.....Per pkt. 5c. Per oz. 40c

Jerusalem Artichoke. Cultivate like potatoes, but plant in rows not less than three feet apart. They are enormously productive, and are valuable alike as a table vegetable as well as for feeding stock. Per bushel, \$1.50. Per peck, 50c. Five pound package by mail (postage paid) for \$1.00.

ASPARAGUS. *Aspergus*, Fr. *Spargel*, Gr.

(One ounce will sow a row of thirty feet).

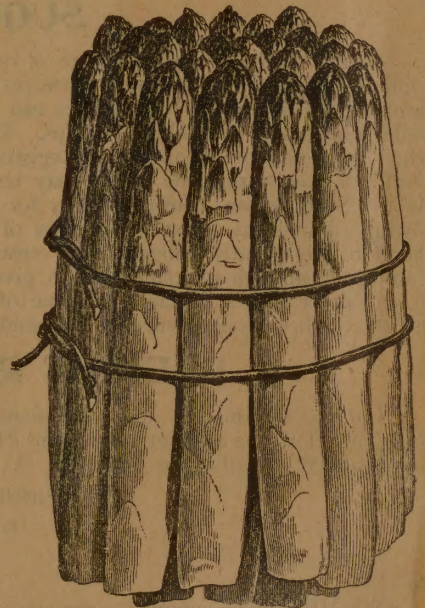
This favorite esculent delights in a deep, rich soil, well manured; sow the seed early in spring in drills one foot apart. To secure strong, healthy plants thin out the seedlings to three or four inches in the rows, saving only the strongest. Hoe often and keep down weeds. The one-year-old plants should be set out in spring, in a rich, sandy loam, dug eighteen inches deep, into which has been worked plenty of well-rotted manure. Plant in rows fifteen inches apart, and twelve inches apart in the rows. Spread out the roots all round, and carefully shake the soil in amongst the roots and cover to a depth of four inches. Before winter sets in cover the beds with six inches of manure, and in the spring give a top dressing of salt. Every fall a good dressing of coarse manure should be applied, after the tops have been cut, and in spring forked in. Never cut too closely, as the roots need the benefit of some foliage during the year.

Giant Conover's Colossal, or Early Purple Argenteuil. A large and productive variety, cultivated extensively for the Paris and other continental markets. Highly recommended.....

Late Purple Giant Argenteuil. Similar to preceding, but later.....

Palmetto. An early variety of large size, very productive and fine quality.....

Pkt.	Oz.	2 Oz.	¼ lb.	Lb.
5	10	15	20	60
5	10	15	30	1 00
5	10	15	25	80



Asparagus.

ASPARAGUS ROOTS.

Giant Conover's Colossal, or Early Purple Argenteuil. Two year old roots, per 100.....\$1 00

Palmetto. An early extra large variety, per 100.....1 50

Special price per 1,000. If to be sent by mail, add 40c. per 100 to the price.

BEANS—Dwarf or Bush. *Haricot*, Fr. *Bushbone*, Gr.

One pint will plant a row of fifty feet.

The Dwarf or Bush varieties should be planted in rows, two and a half feet apart, and two or three inches in the row. They are very sensitive to frost or cold, and should not be planted before the second week in May. Hoe often, and keep the ground mellow and draw the earth up to the plants. The Pole, or running varieties should not be planted until the frosts are past; plant in hills three feet apart from each other, and in the hills place poles from six to



Asparagus Roots.

(For spring and fall planting.) eight feet high.

BEANS—Dwarf or Bush—Continued.

DWARF YELLOW PODDED SORTS.

	Pint.	Qt.	Peck.
Valentine Wax Bean (Thorburn). An extra early variety. The pods which are round are very meaty, stringless and of the finest quality. It is remarkably free from rust and remains a long time without becoming tough. Combined with these valuable features of extreme earliness and excellence of quality is its enormous productiveness; in this respect, also, it excels any Bean in cultivation.....	15	30	\$1 75
Keeney's Rustless Golden Wax. Combines hardness and productiveness with fine quality.	20	40	2 25
Golden Wax. An extra early variety, with stringless pods, tender and delicious.....	15	30	1 50
Flageolet Golden Wax. This variety produces larger and longer pods than any other of the Yellow Poddred sorts. It is very productive, and for market purposes cannot be excelled.....	15	30	1 75
Black Wax or Butter. Pods transparent, waxy yellow, thick and very tender.....	15	30	1 50
Wardwell's Kidney Wax. Extra early, pods long and flat, remarkably free from rust.....	15	30	1 50
White Wax or Butter. Similar to the Black Wax, except in color, which is pure white.....	15	30	1 50



Early Valentine Wax Bean.



Flageolet Golden Wax Bean.

	Pint.	Qt.	Peck.
Crystal White Wax. Pod long and slender; excellent for canning.....	15	30	\$1 50
Detroit Wax. The hardiest and least liable to rust of all the butter beans, very productive.....	15	30	1 50

DWARF GREEN PODDED VARIETIES.

	Pint.	Qt.	Peck.
Valentine. Early, productive; tender, succulent and of excellent flavor.....	10	20	\$1 20
China. Very early and of fine quality.....	10	20	1 20
Yellow Six Weeks. Early and prolific, good for general crop.....	10	20	1 00
Mohawk. One of the hardiest and most productive	10	20	1 20
Refugee or One Thousand to One. Great bearer though not early; best for pickling.....	10	20	1 20

DWARF WHITE BEANS.

	Per Pkt.	Per Pint.
Burpee's Bush Lima, an immense yield; each bush bearing from fifty to two hundred pods, filled with beans which are identical in size and luscious flavor to the well-known large pole Limas.	5	20
Bush Lima (Henderon's), dwarf and productive.....	5	20

Large White Kidney, excellent as a shell bean.

FOR WHITE FIELD VARIETIES, SEE AGRICULTURAL SEEDS.

ENGLISH DWARF BEANS. *Fève de Maris*, Fr. *Grose Bohne*, Gr.

The English Beans are very hardy, and should be planted as early as possible after the ground is open; plant in drills two and a half feet apart, and three inches in the drills; when they are in full bloom and the lower pod set, pinch off the tops; this will ensure the filling of the pods, and hasten maturity. A strong, heavy soil suits them best.

	Per pint.	Per qt.
Taylor's Broad Windsor, the largest and best of the class for general use.....	20	40
Sword Long Pod, very productive, fine variety.....	20	40

POLE OR RUNNING. *Haricot a Rames*, Fr. *Stangen Bohne*, Gr.

One pint will plant about seventy-five hills.

	Per pint.	Per qt.
Dutch White Caseknife, very productive and fine flavor.....	20	40
Large Lima, the best of all the pole beans; plant when the ground is dry and warm.....	20	40
Scarlet Runners, very prolific, mostly grown as an ornamental plant.....	20	40
Giant Wax, (red seed), an extra early variety, with stringless pods.....	30	60
Black Wax or Butter, an excellent variety, with tender succulent pods.....	15	30
Asparagus or Yard Long, pods tender and sweet.....	Per pkt., 10c.; per pint, 50c.	

BEETS. *Betterave, Fr. Runkle Ruben, Gr.*

One ounce will sow a row of 40 feet ; 5 lbs. for an acre.

Beets require a deep, mellow soil ; may be sown from early spring to commencement of summer. The winter crop, to be tender, should not be sown too early. Sow in drills eighteen inches apart, and thin out the plants gradually to six inches from each other. Keep the soil well stirred throughout the season.



Edmands.

Eclipse.

Dewings.

Egyptian.

ROUND VARIETIES.

	Pkt.	Oz.	2 Oz.	¼ lb.	lb.
Egyptian Dark Red Turnip. A standard extra early variety ; very deep red, tender, and fine flavor. The best for early market.....	5	10	15	25	65
Crosby's Egyptian Beet. A selection from that old market beet, Early Egyptian, which retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape ; it is the deepest red, almost black in color, and is of fine quality, sweet and tender..	5	10	15	25	75
Eclipse. An extra early turnip-shaped variety, remarkable for its rapid growth. The roots grow smooth, round shape ; intense red skin, flesh very fine grain and sweet.....	5	10	15	25	65
Edmand's Early. One of the most uniform of all Turnip Beets, with small tops of bronze red. The bulbs are handsome and round, smooth and of good marketable size, fine quality, exceedingly sweet and tender. Skin and flesh dark blood red.....	5	10	15	25	65
Dewing's Improved Blood Turnip. Roots deep blood red and of fine form and flavor.....	5	10	15	25	65
Early Blood Turnip. Very tender, and good for early and late use.....	5	10	15	25	60
Surprise. An early sort, the flesh being fine grained, tender and sweet, light color.....	5	10	15	25	75
The Lentz. A fine early variety of excellent quality ; good keeper.....	5	10	15	25	65
Early Bassano. Very early, tender and juicy, light color.....	5	10	15	20	50

LONG VARIETIES FOR WINTER USE.

	Pkt.	Oz.	2 Oz.	¼ lb.	lb.
Bruce's Long Dark Blood. Grows to a good size, half out of the ground, and with few or no side shoots ; color dark red ; good keeper. This variety has taken first prize at all the leading exhibitions.....	5	10	15	25	65
Carter's Perfection Salad Long Blood. Roots perfect in form, of delicate texture, and fine flavor.....	5	20	30	50	2 00
Non Plus Ultra. Roots medium size, dark blood color with deep crimson leaves, which have a metallic lustre.....	5	20	30	50	1 50
Dell's Improved Black-leaved. A fine dark foliaged variety, the best for flower garden decorations ; color deep purple.....	5	25	40	75	2 00
Beck's Improved Sea Kale or Swiss Chard. The leaf stocks, which are served up like sea kale, are by many considered as quite equal to that favorite esculent.....	5	10	20	30	1 00

FOR WHITE SUGAR BEETS SEE AGRICULTURAL SEEDS.

BORECOLE or KALE. *Chou Vert, Fr. Grune Kohl, Gr.*

Sow early in spring ; cultivate same as cabbage. They supply a stock of excellent greens for spring and fall use.

	Pkt.	Oz.	2 Oz.	¼ lb.	
Green Curled Scotch. Very hardy, and is improved by a moderate frost.....	5	15	25	40	
Dwarf German. A dwarf variety ; leaves yellowish green and finely frilled.....	5	15	25	40	
Egyptian Kale. This variety, sown in the fall, produces nice spring greens.....	5	15	25	40	

BROCOLI. *Brocoli, Fr. Spragel Kohl, Gr.*

Sow end of April in the open ground, then transplant about two feet apart in deep rich ground. They produce heads similar to Cauliflower. When they begin to flower break the large leaves over the head to protect them from the sun.

	Pkt.	Oz.	2 Oz.	¼ lb.	
Early Purple Cape. One of the hardiest, and sure to head.....	10	20	40	75	
Walcherene. A valuable sort, with large white heads.....	10	50	85	1 50	

BRUSSELS SPROUTS. *Chou de Bruxels, Fr. Kopf Kohl, Gr.*

Sow seed in May, transplant and cultivate same as Cabbage. They grow from two to three feet high, and produce little heads from the axles of each leaf. They are very tender when touched by frost.

Improved Dwarf. Extra fine..... Pkt. 5 Oz. 20 2 Oz. 35 ¼ lb. 60

CABBAGE. *Chou Pomme, Fr. Kohl, Gr.*

One ounce will sow a bed four feet by ten and furnish about 2,000 plants.

Sow the early varieties in hot beds or frames, from February to April for early crops, and in the open ground as soon as the soil is in working order. For Fall and Winter Cabbage, sow the seeds in beds in the open soil at the end of April or early in May, and transplant into well manured ground. Early varieties should be planted in rows two feet apart, and fifteen inches in the rows; late varieties, two and a half feet each way. The ground must be well worked to produce good heads. Hoe often and draw the earth around the plant.

To destroy the green worm that is so destructive to the leaves and heads of Cabbage and Cauliflower, use Hammond's Slug Shot, it is fatal to insect life in every form in which they are injurious to vegetation.

Express. Extra early, excels in earliness all others; it has the shape and appearance of Early Etampes, but is smaller, and eight to ten days earlier; has but a few outside leaves and therefore may be planted very close and yield large crops; for forcing can hardly be surpassed. Per pkt. 5c., oz. 30c., 2 oz. 60c., ¼ lb. \$1.00, lb. \$3.00.

Early Etampes. A fine extra early, ox heart shape, and of excellent quality. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.

Selected Early Jersey Wakefield. To most growers the merits and characteristics of this variety are well-known. To those who may not be familiar with it, we would say that it is justly considered by market gardeners as one of the best and most reliable early cabbages in cultivation. The seed we offer is unequalled in quality. Per pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. \$2.50.

Henderson's Early Summer. About ten days later than the Wakefield, but fully double the size of that well-known variety, is offered as one of the best large early cabbage. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.00.

Burpee's Surehead. A large and sure-heading main crop cabbage, a splendid keeper and shipper. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.00.



Selected Jersey Wakefield Cabbage.

Burpee's All Head. The raiser says: "The epitome of our claims for the All Head Early Cabbage is earliness, large size, great productiveness, good quality, and its adaption to the market gardeners necessity for an all-the-year-round Cabbage." Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.00.

Early Winningstadt. A standard variety for general use; heads large and remarkably solid; keeps well in hot or cold weather; quality first-rate. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.00.

All Seasons or Vandergaw. A variety that has justly become very popular, and we recommend it to market gardeners and others. The heads are of large size, round, flattened at the top, and are ready to market nearly as early as Henderson's Summer, while they are hard and solid, and keep well during winter if planted late. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.00.



Burpee's All Head Early Cabbage.

The Lupton. This fine second early Cabbage, named after the well-known Long Island grower, though similar in appearance to "All Seasons," is in many respects superior to that popular variety. Per pkt. 5c., oz. 30c., 2 oz. 50c., ¼ lb. 80c., lb. \$3.00.

Nonsuch. Claimed to be the best second early or all seasons variety yet introduced, of the Flat Dutch type, solid and of the finest quality; it will produce the largest heads in the shortest time of any cabbage grown. Per pkt. 5c., oz. 30c., 2 oz. 50c., ¼ lb. 80c., lb. \$3.00.

St. Denis Drumhead. A favorite winter variety, heads large and very solid. Per pkt. 5c., oz. 25c., 2 oz. 40c., ¼ lb. 75c., lb. \$2.50.

Autumn King or World Beater. Heads very large, broad, thick and solid; stalks short; foliage dark green with slight reddish tinge. A splendid keeper and one of the best Mammoth Cabbage in existence. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.00.

Premium Flat Dutch. A popular variety, tender, and of superior quality. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.00.



Henderson's Early Summer Cabbage.

CABBAGE—*Continued.***Fottler's Improved Short Stemmed Brunswick.**

This, for a fall or winter cabbage, is without a rival. The heads are large and solid, often weighing from 20 to 30 pounds; it is a sure header, splendid keeper, and of excellent quality. The most profitable variety to grow. Per pkt. 5c., oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

BRUCE'S WINTER CABBAGE.

This is a new and distinct extra large and hardy variety; it produces enormous solid heads, attaining often twenty inches in diameter and weighing twenty to thirty pounds. It is very short stemmed, the head almost resting on the ground; is most productive. We strongly recommend a trial of it by market gardeners and other large growers. Per pkt. 10c, $\frac{1}{2}$ oz. 20c, 1 oz. 35c.



Fottlers' Improved Brunswick Cabbage.



Drumhead Savoy.

Green Globe Savoy. Heads small but tender, and of fine quality. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

RED CABBAGE.

Large Red Drumhead, produces very large, solid heads, of fine, deep purple color; the best of the class. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Red Dutch. A favorite sort for pickling; heads not so large as preceding. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

CABBAGE PLANTS.

All leading varieties. Prices on application.

The Cabbage Plants and Radishes grown on Hamilton Beach are shipped to all points in Ontario, by reason of their superiority.

Marblehead Mammoth Drumhead.

Heads have been exhibited which weighed from 40 to 60 pounds each. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Large Late Drumhead. A well-known variety, with large solid heads. Per pkt. 5c., oz. 20c., 2 oz. 30c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Filderkraut. Conical shaped heads, with very few side leaves. This variety is largely used in Germany in the manufacture of "Kraut." Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

SAVOY CABBAGE.

Large German Drumhead. Our stock of this favorite winter variety is unsurpassed for purity, and never fails to produce large, solid heads. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Bruce's Winter Cabbage.

CAULIFLOWER. *Chou Fleur, Fr. Blumen Kohl, Gr.*

One ounce will furnish about 1,000 plants.

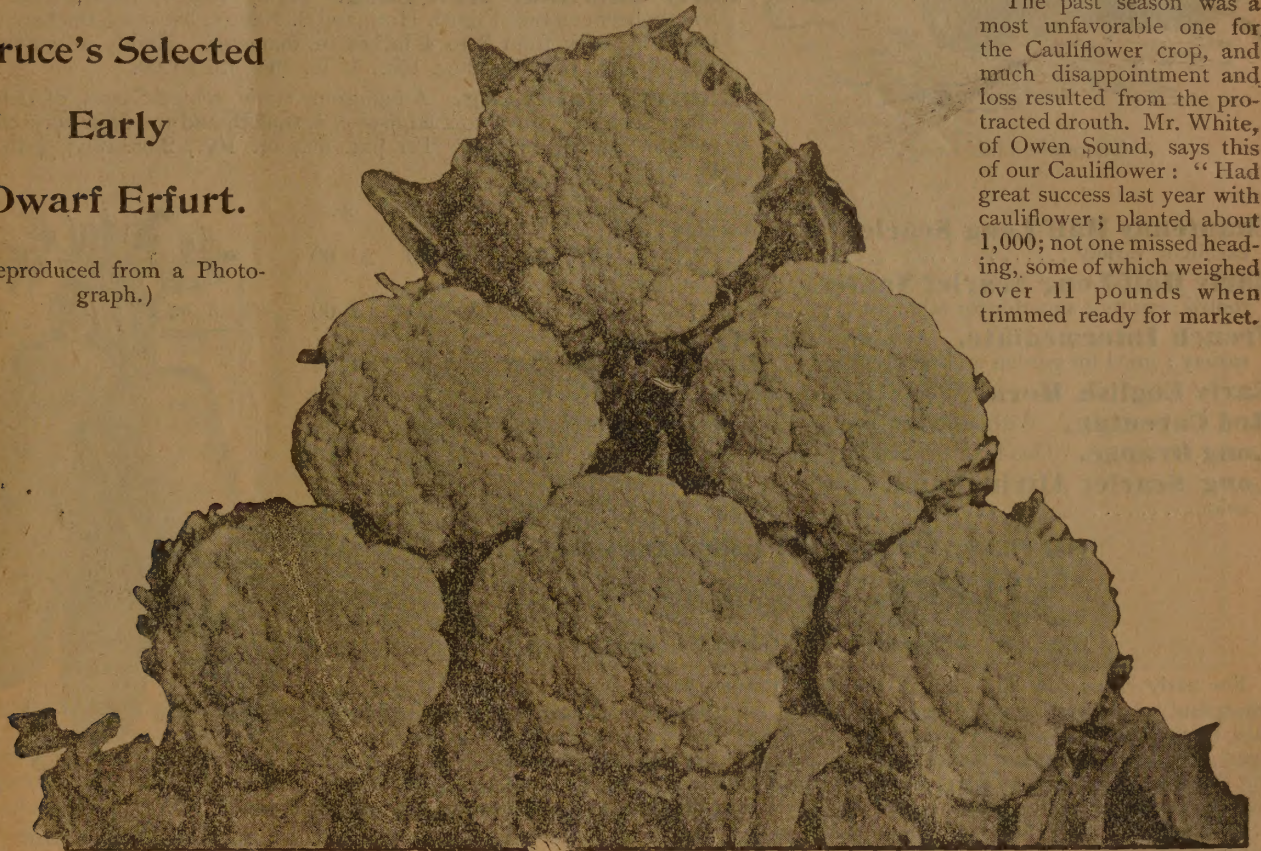
Considerable care is necessary to keep up a supply of Cauliflowers from July to the end of the year. For early crops sow the seed in a gentle hot-bed about the middle of March, and for late crops sow in the open ground in May and June, and transplant like winter cabbage into rows two and a half feet apart, and two feet between each plant. A deep, rich loam is the best to produce satisfactory crops of this favorite vegetable. In dry weather water frequently with liquid manure, and as they advance in growth hoe deep, and draw the earth to the stems; as they begin to head, water frequently, and keep the soil open by deep hoeings, and break the large leaves over the flower to protect it from the sun and rain. On the approach of frost, the plants which have not headed may be planted out in a cellar, where they can be aired in mild weather, when they will form fine heads.

Bruce's Selected

Early

Dwarf Erfurt.

(Reproduced from a Photograph.)



The past season was a most unfavorable one for the Cauliflower crop, and much disappointment and loss resulted from the protracted drouth. Mr. White, of Owen Sound, says this of our Cauliflower: "Had great success last year with cauliflower; planted about 1,000; not one missed heading, some of which weighed over 11 pounds when trimmed ready for market."

Bruce's Selected Early Dwarf Erfurt. It is now eighteen years since we first introduced this famous strain of Erfurt Cauliflower, and year after year it has become more popular, until leading market gardeners in nearly every section of the Dominion now grow it entirely, having discarded all the older varieties, as they find our strain of Erfurt to be the sure heading and altogether the most profitable sort for market purposes. On account of its dwarf and compact habit, the plants may be set out twenty to twenty-two inches each way, so that from twelve to fourteen thousand can be planted on an acre. For pickling it is the standard variety, the compact and solid texture of the snow-white heads, combined with delicious flavor, surpasses all other sorts. We obtain our supply of seeds direct from the growers, with whom we have a standing contract to deliver a stated quantity for each season, and knowing the scrupulous care exercised in the selection of only the purest and finest heads for seed purposes, have no hesitation in stating that for quality it is not surpassed by any other variety, no matter under what name it may be offered. Per pkt. 25c., ½ oz. \$1.50, 1 oz. \$2.75, 2 oz. \$5, ¼ lb. \$9.



Early Snowball Cauliflower.

Early Snowball. A well-known extra early variety, heads pure white, large, solid and of extra quality; a sure header. Per pkt. 25c., ½ oz. \$1.50, oz. \$2.75, 2 oz. \$5.00, ¼ lb. \$9.00.

Extra Early Paris. Heads medium size. Per pkt. 10c., ½ oz. 60c., oz. \$1.00, 2 oz. \$1.75, ¼ lb. \$3.00.

Half Early Paris, or Demi Dur. A fine variety. Per pkt. 10c., ½ oz. 60c., oz. \$1.00, 2 oz. \$1.75, ¼ lb. \$3.00.

Le Normand's Short Stemmed. A variety producing large white compact heads, from nine to twelve inches in diameter. Per pkt. 10c., ½ oz. 60c., oz. \$1.00, 2 oz. \$1.75, ¼ lb. \$3.00.

Autumn Giant. A valuable variety and perfectly distinct from any other sort. The heads are pearly white, large, firm and compact.

The Autumn King. In appearance it has some of the characteristics of the Autumn Giant, but it is dwarfer, earlier, and the heads are of an immense size, solid and as white as snow.

Large Walcherene. A very late variety; sure header.

	Pkt.	½ Oz.	Oz.	2 Oz.	¼ lb.
Autumn Giant.	10	35	60	\$1 00	\$2 00
The Autumn King.	10	40	80	1 50	
Large Walcherene.	10	30	50	85	1 50

CARROTS. *Carrote, Fr. Mohen, Gr.*

One ounce will sow a row of 100 feet; three to four pounds for one acre.

The Carrot is an important root for the farm or garden, and deserves extensive cultivation. It succeeds best in a light sandy loam, richly manured and deeply dug. For early crops sow in rows eighteen inches apart, and thin out to six inches in the row. Hoe often between the rows and keep clear of weeds.

Early Scarlet French Horn. Stump rooted, color deep scarlet, and fine flavor. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Early Guerande Half-Long. Stump rooted, intermediate as to length between the French Horn and S. Nantes, but much thicker, attaining at the neck from 3 to 4 inches in diameter. Highly recommended. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Danvers Half-Long. A handsome stump rooted Carrot, of rich dark orange color, it grows to a large size, is smooth and the flesh very close in texture, with little core. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Guerande Half-Long,

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Chantenay Half-Long Scarlet. Stump rooted; an excellent variety	5	10	15	30	\$1 00
Early Half-Long Scarlet Nantes. A large stump-rooted variety; superior for table use	5	10	15	30	1 00
French Intermediate. A superior half-long pointed variety; good for garden and field culture	5	10	15	30	1 00
Early English Horn. Roots tapering; fine color....	5	10	15	30	1 00
Red Carentan. Without core; tender and sweet.....	5	10	15	30	1 00
Long Orange. Good for general crop, field or garden..	5	10		20	60
Long Scarlet Altringham. A long variety; good color	5	10	15	30	1 00

FOR FIELD VARIETIES SEE AGRICULTURAL SEEDS.

CELERY. *Celeri, Fr. Selleri, Gr.*

One ounce will furnish about twenty-five hundred plants.

For early crops sow the seed in hot-beds during March, and when three inches high transplant into a well-prepared bed, and protect with boards or mats in frosty weather. For late crops sow in April. When up to the above size transplant into a bed three inches apart, and when about six inches high plant six inches apart into trenches for blanching; dig the trenches four feet apart and fifteen inches wide, and ten inches deep; fill in four or five inches of well rotted manure, and mix it thoroughly, half a spade deep, with the earth at the bottom. The tops and roots of the plants should be shortened, and the suckers pinched off before they are planted; give a good watering after planting; to blanch, earth

up two or three times during their growth, holding the leaves close with the hand while the earth is drawn up, taking care that none of it falls into the centre of the plant. Celery, like Asparagus, is wonderfully improved by superior culture.

Giant White Pascal. This is the largest Celery grown as regards width and thickness of stalks. When fully grown the outer stalks average two inches wide, and are unusually thick, and are always crisp and brittle, snapping like glass, and having a rich nutty flavor. Unlike most other Celeries, it never becomes watery, and can be eaten when quite small. It is a very vigorous grower, free from rust, a grand keeper, and one of the best winter varieties catalogued. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

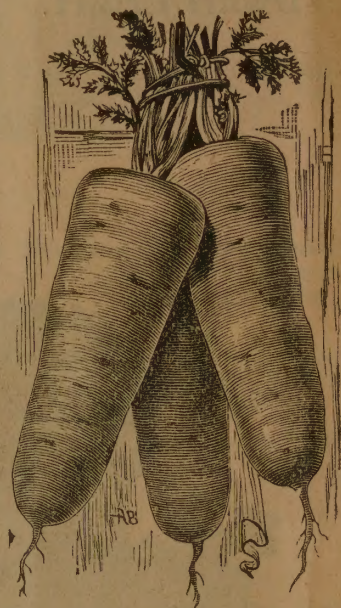
Henderson's White Plume. The stalk and proportions of the inner leaves and heart are naturally white. Its eating qualities are equal to the very best of the older sorts, being crisp, solid and of a pleasing flavor, while the white feather-like foliage places it ahead of others as a table ornament. Per pkt. 5c., oz. 30c., 2 oz. 55c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Henderson's Pink Plume. This handsome new variety is practically identical with the well-known "White Plume," but with the added merit of the stalks being exquisitely suffused with pink and possessing the crispness, rich nutty flavor, and long keeping qualities for which red Celeries are noted. Per pkt. 10c., oz. 40c., 2 oz. 75c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Dwarf Large Ribbed. A superior, short, white, solid variety. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Perfection Heartwell. One of the best for winter use; quality extra. Per pkt. 5c., oz. 30c., 2 oz. 55c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

The Prince of Wales or Sandringham. An unusually dwarf, solid variety, very crisp and of rich, nutty flavor, pure white. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Chantenay Carrot



Giant White Pascal.

CELERY—Continued.



Paris Golden Yellow Large Solid. (Bruce's selected). This fine variety, introduced by us in 1882, has now become the standard variety for general use. The stalks grow vigorously, with large ribs very thickly and closely set. It is self-blanching to a very remarkable degree. The heart is of a beautiful golden yellow color, very large, crisp and solid. Unlike other self-blanching varieties, it is an extra good keeper—keeping well all winter—and of the finest sweet flavor. On the market stall or table it is unequalled in handsome and striking appearance. Per pkt. 10c., oz. 60c., 2 oz. \$1.00, $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Golden Hearted Dwarf. The heart is large and full of a waxy, golden yellow. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Boston Market. A favorite white variety. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Hamilton Red. A grand new variety, large, solid, of excellent flavor and a fine keeper; the best of its color. Per pkt. 10c., oz. 60c., 2 oz. \$1.00.

Carter's Incomparable Dwarf Crimson. Is an exceedingly solid variety. Per pkt. 5c., oz. 30c., 2 oz. 55c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Turnip Rooted or Celeriac. Has edible roots, which are used for soups, etc. Per pkt. 5c., oz. 20c., 2 oz. 35c.

CELERY SEEDS. For flavoring soups, etc. Per oz. 10c., lb. 50c.

CELERY PLANTS. All the leading varieties, 75c. per 100. Special prices for large quantities.

CHICORY. *Chicoree, Fr. Chicorie, Gr.*

It may be sown and treated in the same manner as carrots. Used to mix with, or a substitute for coffee.

Large Rooted, or Coffee. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 60c.

CORN—SWEET OR SUGAR. *Mais, Fr. Maiz, Gr.*

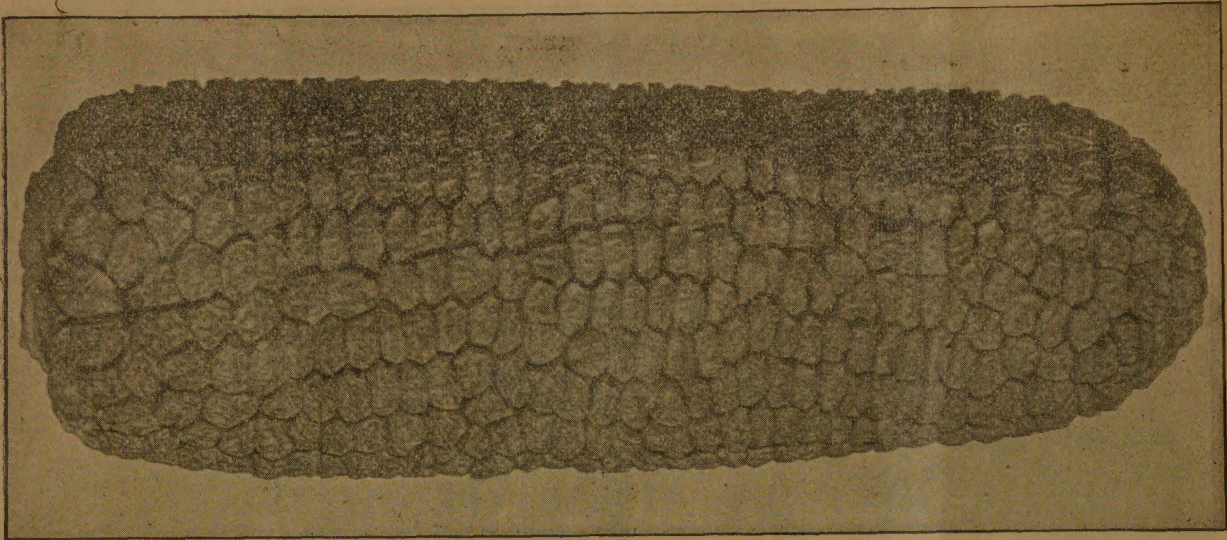
One pint will plant one hundred hills. One peck for an acre.

Plant in hills three feet apart each way, and three or four grains in a hill. Hoe often and draw the soil to the stems; plant about the middle of May, and for a succession every two weeks until July.



The Cory Sugar Corn.

CORN—Continued.



Nonsuch Sweet Corn.

	Ear.	Pt.	Qt.	Pk.
First Of All. It is claimed for this variety to be from 3 days to a week earlier than the Early Cory. In habit of growth it is rather dwarfer, although similar in appearance but superior in quality. A valuable market variety.....	5	10	20	\$1 25
The Cory Sugar. This has now become the standard first crop variety with gardeners and market growers, having fully established its character as the earliest of all the Sweet Corns. The ears are larger than the Minnesota and of fine quality.....	5	10	20	1 00
Early White Cory. A selection of the Cory, of the same character in all respects, except that it has a white cob and kernels. Very early and a good variety.....	5	10	20	1 00
Early Minnesota Sugar. A well-known early variety of finest quality.....	5	10	20	1 00
Perry's Hybrid Sugar. A very early variety, fully as early as Minnesota, and ears much larger, each containing from 12 to 14 rows of kernels.....	5	10	20	1 00
Crosby's Early Sugar. Rich sugary flavor, very productive.....	5	10	20	1 00
Nonsuch. An extra large eared Second Early. The fodder and cobs are pink in color, the corn when fit for use pure white, 10 to 14 rows on the cob. A most productive and desirable variety.....	5	10	20	1 25
Hickox Sugar. A second early, ears nearly as large as Mammoth, more productive and is largely grown for canning by the leading factories in Canada and the United States.....	5	10	20	1 00
Country Gentleman. An exceptionally productive variety, bearing 3 to 5 ears on the stalk, and of the finest quality. The cob is very small, giving great depth to the kernels which are of pearly whiteness, sweet and tender. Matures a little before Stowell's Evergreen.....	5	10	20	1 00
Stowell's Evergreen Sugar. A standard variety, remaining green longer than any other kind.....	5	10	20	1 00
Mammoth Sugar. A late variety and one of the largest, productive and fine flavored.	5	10	20	1 00
Parching or Pop. Several varieties. Per lb. 10c.				

CORN SALAD. Mache, Fr. Ackersalat, Gr.

Sow the seed early in September, thickly, in shallow drills six inches apart, and protect through the winter with a slight covering of clean straw. It requires rich soil. Per pkt. 5c., oz. 20c., 2 oz. 30c., ¼ lb. 60c., lb. \$2.00.

CRESS or PEPPER GRASS. Creeson, Fr. Gurke, Gr.

The curled and broad-leaved varieties sow thickly in shallow drills every two weeks throughout the season; give occasional waterings in dry weather. The Water Cress is an aquatic plant, with small oval leaves and prostrate habit. Sow the seed in a well prepared bed, and when rooted transplant to the bank of a running stream.

	Pkt.	Oz.	2 Oz.	¼ Lb.	Lb.
Extra Curled. The best of salads.....	5	10	15	20	50
Broad Leaved. A large-leaved variety.....	5	10	15	20	50
True Water. An early and very wholesome salad.....	10	50	75	\$1 25	\$4 00

CUCUMBER. Concomber, Fr. Gurke, Gr.

One ounce will plant fifty hills. Two or three pounds for one acre.

OPEN AIR CULTURE.—For general crops, plant from the middle of May to the middle of June, in hills five feet apart each way, elevating the hills a little above the level of the ground. Put eight or ten seeds into each hill and cover them half an inch deep with fine soil, and press the earth a little over the seeds with the back of the hoe; keep the ground loose and clear of weeds, and in dry weather water occasionally; after they have obtained a vigorous growth, and the danger from insects is over, they should be thinned out, leaving four thrifty plants in a hill.

CUCUMBER—*Continued.*

Long Green Cucumber.

Boston Pickling. A popular variety for pickling. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Nichols' Medium Green. Equally good for the table or for pickles. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

White Pearl. About the size and general shape of the Improved White Spine, the fruit when ripe being pure white, flesh solid and of excellent quality. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

New Everbearing. Very early, small sized and enormously productive, and valuable as a green pickler. The vines continue to flower and produces fruit until killed by frost, whether the ripe cucumbers are picked off or not, differing in this respect from all other sorts. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Stockwood Ridge. A black spined variety, twelve to eighteen inches long. Per pkt. 10c., oz. 50c.

West India Gherkins. Used only for pickles. Per pkt. 5c., oz. 30c., 2 oz. 55c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

English Gherkins. Fine for table or pickles. Per pkt. 5c., oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Frame Cucumber.

Early Russian. Fruit from three to four inches long, and inch and a half in diameter. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Early Frame. One of the oldest of the garden sorts, justly styled a standard variety. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 90c.

Early Cluster. A very popular early cucumber, producing its fruit in clusters. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Early White Spine. One of the best table sorts and highly prized by marketmen on account of its color which never changes to yellow. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Long Green Prickly. Skin dark green, changing to yellow as the fruit approaches maturity; flesh white, somewhat seedy, but crisp, tender and fine flavored. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Improved Chicago Pickling. A very prolific variety, combining all the qualities desired by those who raise cucumbers for commercial pickles. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Green Prolific Pickling. A splendid variety, selected with great care, by one of the largest growers of pickling cucumbers; 200,000 can be grown on one acre. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Improved Chicago Pickling Cucumber.

FRAME OR GREENHOUSE VARIETIES.

UNDER GLASS CULTURE.—Sow in small pots from middle of January, either in frames or in hot houses: when grown to three leaves, plant out in previously prepared hills of loose, rich soil, in the centre of the sash. Special care should be taken to keep on a uniform heat, both bottom and atmospheric. In forcing, the night temperature should not be allowed to sink below 60°, and the day heat should range from 70° to 80°. Admit air in all mild weather, night and day. Attend to the stopping, training and setting of the flowers, thinning the shoots, watering with liquid manure, tepid water, etc.

Blue Gown. A fine black-spined variety, from eighteen to 24 inches long..... 20

Duke of Edinburgh. A superior white-spined variety, averaging over thirty inches in length..... 20

Marquis of Lorne. A fine white-spined variety, of immense size and symmetrical form..... 20

Carter's Model. Perfect in outline, with scarcely any neck, and of fine flavor. 20

Lockie's Perfection. The fruit is of a beautiful green, of medium length, straight and short necked, carrying a splendid bloom, and of unsurpassed flavor; a wonderful cropper..... 25

Chaplin's Wonder, (White Spine). The best frame cucumber. The fruit is very dark green, from 18 to 25 inches in length, growing perfectly straight; the neck is short and the flavor exquisite..... 25

CURLED CHERVIL. *Cerfeuil*, Fr. *Koerbelle*, Gr.

Cultivated and used like Parsley ; sow at any time in the spring, in shallow drills one foot apart. Per pkt. 5c., oz. 20c.

EGG PLANT. *Aubergine*, Fr. *Eirflanze*, Gr.

Sow the seed thickly in a hot-bed in March, and plant out at the end of May in a rich, warm piece of ground, in rows two feet apart and one foot in the rows. They bear their fruit when about fifteen inches high.

	Pkt.	Oz.
New York Improved Round Purple. The leading variety ; very large and productive.....	10	60
Long Purple. Very hardy ; early and productive.....	5	50
White. A highly ornamental variety.....	10	75

ENDIVE. *Chicoree*, *Endive*, Fr. *Endiven*, Gr.

Sow middle of July, in drills or beds ; when they are up, thin out to stand twelve inches apart ; when the leaves are six or eight inches long blanch them by gathering the leaves in the hand and tying them together near the top with matting. It is highly esteemed as a salad.

	Pkt.	Oz.
Green Curled. Very heavy ; leaves dark green ; tender and crisp.....	5	30
White Curled. Leaves pale green ; a good variety.....	5	30

GARLIC. *Ali*, Fr. *Lauch*, Gr.

Requires a rich, light soil. Plant in rows six inches apart, and about two inches deep ; leave a foot between the rows, which keep mellow by frequent hoeing ; when the leaves turn yellow take up the crop. It is used extensively for seasoning pickles, etc.

	Per lb.
Large Italian. Sets.....	40

KOHL-RABI.—TURNIP-ROOTED CABBAGE.

	Pkt.	Oz.	2 Oz.	¼ lb.
Early Purple Vienna	5	20	35	60
Early White Vienna	5	20	35	60

LEEK. *Pioreau*, Fr. *Porre*, Gr.

Sow early in spring, in drill or beds ; when the plants are eight or ten inches high transplant them in rows six inches apart and twelve inches between the rows. Plant at least six inches deep to have them well blanched. By many they are preferred to onions for soup, etc.

	Pkt.	Oz.	2 Oz.	¼ lb.	lb.
Large Scotch, or Musselburgh. Grows to an immense size ; hardy and fine flavored.....	5	25	50	90	\$3 00
Large Rouen. Leaves dark green, stem short and thick ; a fine variety.....	5	25	50	90	3 00
Extra Large Carentan. Very hardy ; extraordinary size..	5	25	50	90	3 00

LETTUCE. *Laitue*, Fr. *Lattiche*, Gr.

One ounce will sow a row of a hundred feet.

For early use, sow in hot-beds in February ; and for general use, as early in the spring as the ground can be worked, in a well-prepared bed or drills ; thin or transplant to one foot apart for heading. A sowing should be made at intervals throughout the season for succession.

Bruce's Nonpareil Cabbage—

This well-known variety has proved itself during the past thirty-six years to be one of the best Lettuces for outdoor cultivation, and for forcing in the green house it has no equal ; in color it is a beautiful yellowish green ; the heads being large, solid and of the finest quality. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.00.

Hamilton Market. A variety of local origin ; heads large, very solid, tender and well flavored. Color, yellowish green, and suitable for forcing and open air cultivation. Per pkt. 5c., oz. 20c., 2 oz. 35c., ¼ lb. 60c., lb. \$2.

Early Curled Silesia. Very early and good for forcing. Per pkt. 5c., oz. 15c., 2 oz. 30c., ¼ lb. 50c., lb. \$1.50.

Early Curled Simpson. (White seed) ; large and of light color. Pkt. 5c., oz. 15c., 2 oz. 30c., ¼ lb. 50c., lb. \$1.50.



Bruce's Nonpareil Cabbage Lettuce.



Scotch Leek.

LETTUCE—Continued.

Early Curled Simpson. (Black Seed); a good forcing variety.....

Pkt.	Oz.	2 oz.	¼ lb.	lb.
5	20	35	60	\$2 00



The Gardener's Favorite Lettuce.

The Gardener's Favorite. A standard variety for early forcing or out-door cultivation. It has no equal for flavor or crispness. Color yellowish green, heads large and solid.....

5	20	35	60	2 00
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Grand Rapids. This variety is best adapted for forcing. Leaves medium size, of light yellowish green color, much crimped and frilled, forms a fair sized but loose head; crisp and of good quality. Owing to its upright habit, it may be planted very closely. A good shipper.....

5	20	35	60	2 00
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Extra Early Ohio. Oval shaped heads, solid, sweet and crisp. A good variety for forcing.....

5	20	35	60	2 00
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Boston Market or Tennis Ball. One of the earliest, heads small, solid, crisp and fine flavored.....

5	15	30	50	1 50
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Paris Green Cos. This variety grows upright, with long, dark leaves.....

5	20	35	60	2 00
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Paris White Cos. The finest form of Lettuce of the Paris Cos type.....

5	20	35	60	2 00
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Drumhead or Malta. This is a very good summer variety, with large compact heads.....

5	15	30	50	1 50
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Brown Dutch. Very hardy, one of the very best for winter use.....

5	20	35	60	2 00
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Blonde Beauty. Its beautifully curled white leaves, with their slight golden tinge, give it a pleasing appearance; heads large and solid.....

5	20	35	60	2 00
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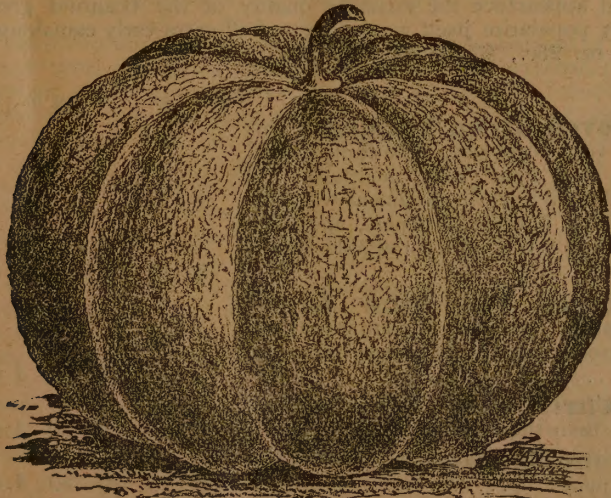
Hanson. A well-known variety, heads large and of the finest quality.....

5	15	30	50	1 50
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MUSK MELON. *Melone, Fr. Melon, Gr.*

One ounce will plant about sixty hills; three pounds to an acre.

CULTURE.—Plant middle of May, in hills six feet apart each way, eight to ten seeds in each, and thin out to three or four plants when in a state of forwardness. To grow good Melons, the hills should be prepared by digging out the soil from one and a-half to two feet deep, and two or three feet broad, according to the richness of the land. Add a very liberal quantity of best decomposed manure, and mix well with the soil, filling a little above the level. Seeds should not be put into the hills until the weather becomes settled and warm.



Extra Early Citron Melon.



Early Hackensack Melon.

Extra Early Citron. The largest of the very early Cantaloupes, form half flat, fairly webbed, flesh green. The merit of this sort consists in its extra early habit, for which it will be found profitable by all market gardeners.....

Pkt.	Oz.	2 Oz.	¼ lb.	lb.
5	15	25	40	\$1 50

Early Hackensack. A standard variety. The melons weigh from four to ten pounds each, and are of a delicious flavor.....

5	15	25	40	1 50
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The Princess. Fruit nearly round, with heavily netted dark green skin; the flesh is of a rich salmon color, and the flavor is sweet beyond description.....

5	15	25	40	1 50
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The Banquet. A medium sized variety, flat at both ends, beautifully netted, of the finest quality, the flesh is uniformly deep, and of that granulated character that indicates a good melon; the color is a deep, rich salmon.....

5	20	35	60	2 00
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Osage or Miller's Cream. A melon of great merit; the flesh is a rich salmon color, very thick, sweet, rich and delicious. It has a very thin rind and finely netted; it is a vigorous grower, very productive, and covers the ground with beautiful solid fruit.....

5	15	25	40	1 50
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MUSK MELON.—Continued.



MUSK MELON—Jersey Belle. This fine new melon is destined to become a standard variety with all large growers. Unlike other extra early sorts, it does best on light soils. As shown in the above cut, it is flattened on the ends, deeply ribbed and heavily netted, indicating by its outward appearance the exquisite quality of the beautiful green flesh within. The Jersey Belle, when better known, will rapidly popularize itself as the best of all extra early cantaloupes for either home use, market or shipping. Pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.



Montreal Improved Green Nutmeg.

Delmonico. This is a new variety of great excellence. It is an oval melon of large size, and deeply netted. The flesh is an orange pink color, and of delicious flavor.

Montreal Improved Green Nutmeg. This variety grows to a very large size, beautifully netted and deeply ribbed, flesh light green, melting and of exquisite flavor. We have grown specimens weighing twenty-two lbs. each. Market gardeners, and other large growers, will find this a most profitable variety to grow.

Burpee's Improved Bay View Green Flesh Cantaloup. A well known variety, of vigorous growth, great productiveness, large size and delicious flavor.

Early Orange Christiana. Yellow flesh. It is ten days earlier than the Nutmeg.

Early Large Round Cantaloup. Flesh thick, yellow, sweet and juicy.

Shumway, Giant. (New). Round shaped, light green color, skin smooth with little netting, flesh deep salmon color, thick and fine grained, average weight eighteen pounds.

Pkt.	oz.	2 oz.	$\frac{1}{4}$ lb.	lb.
5	15	25	40	1 50
5	15	20	30	1 00
5	15	20	30	1 00
5	15	20	30	1 00
5	15	25	40	1 50
5	20	35	60	2 00

WATER MELONS. *Melon d'eau, Fr. Wassermelone, Gr.*

One ounce for every thirty hills; four to five lbs. for an acre.

The water Melon is purely a tropical fruit greatly appreciated for its refreshing coolness and delicious flavor. Cultivate same as Musk varieties, only that hills should be eight feet apart each way.

Peerless. An extra early variety of medium size; thin rind, light mottled green; flesh bright scarlet. Per pkt. 5c., oz. 15c., 2 oz. 25., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

WATER MELONS—*Continued.*

Dixie. A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equalling the latter in fine eating quality and flavor, being a week or ten days earlier than either, with a remarkably thin rind almost impene- trable, which preserves it for a great length of time. Per pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Green and Gold. A large variety, very pro- ductive and of delicious flavor. Per pkt. 5c. oz. 20c., 2 oz. 35c., $\frac{1}{4}$ lb 60c., lb. \$2.00.

Kolb's Gem or American Champion. It attains a weight of from 25 to 50 lbs. Its flavor is first-class, and its keeping qualities are so good that it has been found in a perfectly fresh and sweet condition two months after shipment. Per pkt. 5c., oz. 15c. 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Phinney's Early. An early, hardy and pro- ductive red fleshed variety. Per pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.



Dixie Water Melon.



Black Spanish Water Melon.

Black Spanish. A standard variety. Fruit medium size, almost round, skin dark green, flesh deep red, sweet and delicious.....

Pkt. oz. 2 oz. $\frac{1}{4}$ lb. lb.

5 15 20 30 \$1 00

Cuban Queen. Flesh bright red, remarkably solid, crisp and sugary, and for delicious flavor is un- surpassed. It is an excellent keeper and bears transit well.....

5 15 20 30 1 00

The Boss. Oblong in shape, skin dark green, flesh deep scarlet and of rich flavor; early, heavy, productive and a good shipper.....

5 15 20 30 1 00

Citron. Fruit round, flesh white and solid; used for making preserves only. Red seed.....

5 15 25 40 1 50

Citron Colorado Preserving. Of large size, very productive and of excellent quality. Green seed.

5 20 35 60 2 00

MUSHROOM SPAWN.

Mushrooms can be grown in any cool shady situation out of doors in the summer time, and during the winter months in any outhouse, shed or cellar where the temperature does not fall below 45°, and is tolerably uniform. Where such conditions are at hand, proceed as follows:—Collect the fresh horse-droppings from the stable every day, shake out the greater bulk of the straw, and spread the remainder, not too thinly, over a floor in any shed where the rain is kept out. The best site for the bed is a dry, hard floor in any of the structures that we have before suggested, and the best moderate size for a bed is one which will measure about six feet by four, and not less than twelve inches in depth. Then commence to make the bed by putting in the droppings regularly and lightly in layers until the mass is about two feet deep. Beat or tread the materials until they are compressed firmly to the depth of about twelve inches, when a test-peg should be inserted to ascertain the temperature, and it may be left for a few days to heat. Take the peg out every morning and try the temperature with the hand, and as soon as the heat is found to be on the wane, and the test-peg can be handled comfortably, insert pieces of spawn about the size of a walnut at intervals of three or four inches apart and just below the surface of the dung. If there is no likelihood of the temperature of the bed rising, it may be soiled at once, otherwise it would be better to defer this for a day or two. The soiling consists simply in covering the bed to the depth of about three inches with good loam, which must be beaten firmly with the back of a spade. The test-peg must be inserted again, and then the only attention that will be required is to see that the temperature does not fall too low; and if there should be any signs of this, the evil may be corrected by covering the bed with hay to the depth of three or four inches. In about six weeks' time the Mushrooms should begin to show, and if the bed is getting dry give a watering with warm water, which will probably be required afterwards about once a fortnight, as success depends on maintaining a uniform temperature. **Fresh English Spawn**, in bricks, 25c. each.



Mushrooms.

MUSTARD. *Moutard, Fr. Senf, Gr.*

For early salad sow in hot-beds in February and March; and for general crops, at intervals throughout the season, in shallow drills six inches apart.

White. For salad.....Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 30c.

ONION. *Ognon, Fr. Zwiebel, Gr.*

One ounce will sow a row one hundred feet ; five pounds to an acre.

Onion seed is sown from the first of April to the middle of May—the earlier the better—provided the ground is dry enough to work light and fine. Rich soil, with a good application of manure every year, and proper attention, will almost invariably insure a good crop. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time. Onion sets and tops are placed on the surface in shallow twelve-inch drills, about four inches apart, but not covered.

	Pkt.	oz.	2 oz.	¼ lb.	lb.
Southport Early Red Globe. Globe shaped, skin deep red, flesh white ; mild and tender ; very handsome in appearance and ripens early.....	5	20	35	60	\$2 00
Extra Early Flat Red. Resembles the Wethersfield in color, but is much earlier ; valuable for heavy late soils.....	5	20	35	60	2 00
Large Red Wethersfield. Large, skin deep purplish red, flesh purplish white ; fine grained and stronger flavored than that of the yellow and early red varieties ; productive, and one of the best to keep.	5	20	30	50	1 75
Danvers Yellow Globe. Bruce's Selected, a fine variety ; above the medium size, globular in form, skin yellowish brown, flesh white ; mild and well flavored ; very productive. The most profitable variety for market gardeners to grow.....	5	15	25	40	1 50
Danvers Yellow Flat. In quality equal to the preceding, but flat in shape .	5	15	25	40	1 50
Yellow Dutch. Very flat and productive.....	5	15	25	40	1 50
Southport White Globe. A large globe-shaped variety ; very solid, of mild flavor, and good keeper ; clear white skin, and always commands the highest market price.....	5	25	40	75	3 00
White Portugal. Large flat Onion ; mild flavor ; fine for early winter use....	5	25	40	75	3 00
Welsh—Red or White. Used for salads. Sow the seeds of this variety in August.....	5	20	35	60	2 00



Large growers will please write for our special prices for Onion Seed.

Large Red Wethersfield Onion.

PICKLING ONIONS.

	Pkt.	oz.	2 oz.	¼ lb.	lb.
White Barletta Onion. An extra early white-skinned variety ; flesh pure white ; very mild in flavor ; excellent for pickling.....	5	25	40	75	\$3 00
Queen. This is another extra early variety ; small, flat and mild-flavored.....	5	25	40	75	3 00
Small Silver Skin Pickling. A standard variety ; largely grown for pickles.....	5	20	35	60	2 00

ONIONS—Continued.

NEAPOLITAN ONION SEEDS.

The following varieties can be grown to an enormous size by sowing in the fall, say from the 1st of August to the 10th of September, and planting out the following spring, or they may be sown in a hot-bed early in the season and transplanted out as soon as the ground is in condition.



Giant Prizetaker Onion.

Giant Prizetaker. Of a rich straw color. This variety grows to an enormous size, averaging from 12 to 14 inches in circumference. Globe-shaped, solid, and an excellent keeper; in flavor it is mild and sweet. Per pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$3.00.

Mammoth Silver King. A white-skinned and white-fleshed variety. It matures early. In shape somewhat flat and of an exceedingly mild and delicate flavor. Per pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$3.00.

Giant Rocca. Large globular shape, light brown skin. Per pkt. 5c, oz. 20c, 2 oz. 35c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Giant White Tripoli. Large and handsome. Per pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$3.00.

ONION SETS.

When wanted in large quantities write for special quotations.

	Per Qt.
English Potato	15c., by mail, 25c
Top or Button	20c., " 30c
Shallots	10c., " 20c
Dutch Sets, yellow	20c., " 30c
Dutch Sets, white	25c., " 35c

NASTURTIUM or INDIAN CRESS. *Capucine, Fr. Kapusinerblum, Gr.*

Sow early in spring, in good rich ground; train them to rods or pea stakes. The seeds picked while green and pickled, form an excellent substitute for capers.

Dark Tall Red. Excellent climbers for covering rock-work, etc..... Per pkt. 5c, per oz. 20c.

Tall Yellow. Fine contrast to the preceding..... Per pkt. 5c, per oz. 20c.

For other varieties see Flower Seeds.

OKRA. *Gombo, Fr. Tapan, Gr.*

Plant late in the spring (after the ground has become warm), in drills two and a half feet apart, and thin out to nine inches in the row; hoe often and draw the earth up to the stems. Use the pods when green and tender.

Dwarf Green. Round smooth pods..... Per pkt. 5c, per oz. 20c.

PARSLEY. *Persil, Fr. Petersille, Gr.*

Sow early in the spring, in drills twelve inches apart; thin out the plants to six inches apart. To have green during the winter, remove plants into a box, and place in a light cellar or cold frame.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Extra Curled. Leaves beautifully curled.....	5	10	15	25	\$1 00
Champion Moss Curled. This is the perfection of a parsley..	5	15	25	40	1 25
Carter's Fern Leaved. Invaluable for garnishing.....	5	15	25	40	1 50

PARSNIP. *Panais, Fr. Pastinake, Gr.*

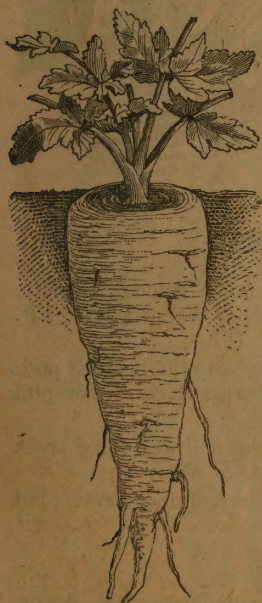
Sow as early as the ground will permit, in very rich, loamy soil, in rows fifteen inches apart, and thin to seven inches in the row. The roots are very hardy, and are greatly improved by remaining in the ground through the winter.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Bruce's Improved Hollow Crown. Will be found a decided improvement on the old variety; root finely shaped, and flavor excellent.....	5	10	15	20	60
The Student. A well-known variety of fine flavor.....	5	10	15	20	60

PEAS. *Pois, Fr. Erbsen, Gr.*

One quart for a row of 75 feet.

The soil best adapted for the pea is a rich loam, well manured the previous year (use thoroughly decomposed manure if any, immediately before planting). For early crops, sow as early in the spring as the ground can be worked in drills three feet apart, and for a succession every two weeks until the 1st of July. When they are about two inches high, begin to draw the earth to the stems. Hoe



Hollow Crown Parsnip.

often in dry weather. Peas should be soaked in water before planting, and if the ground be very dry, should be watered in the hills.

PEAS.—Continued.



Bruce's Extra Early.

Wm. Hurst. As early as the American Wonder. Of handsome dwarf growth, the vines are eight to ten inches high, stocky, with abundant foliage, of a rich, dark green color, haulms close-jointed, and very prolific. The scimeter-shaped pods average three inches long, and are well filled with large peas, each pod containing six to eight, so closely packed that the peas are flattened against each other. Quality the very best; rich, sugary, and delicious in flavor, while the peas are firm and solid, without being at all mealy. Per $\frac{1}{2}$ pint 15c., pint 30c., qt. 50c.



New Pea.—William Hurst.

Col. Lake, Winwarleigh Grange, writes: "The C. P. R. Peas you sent me were excellent both in size and quality."



American Wonder Pea.

Yorkshire Hero. Fine prolific marrow, highly recommended. Per pint 15c., qt. 30c., peck \$1.50, bush. \$4.80.

EXTRA EARLY VARIETIES.

When peas are to be sent by mail, add the postage—four cents per pint, and eight cents per quart.

Bruce's Early Conqueror. This well-known variety surpasses all other peas as to earliness. By constant selection we have retained all the characteristic qualities of earliness, productiveness and size, which brought it to the front, when introduced and named by us thirty-three years ago. A prolific cropper bearing large pods; it ripens up with wonderful uniformity, making it the most profitable early pea for market gardeners to grow. Height, 2 ft. Per pint 10c., qt. 20c., peck \$1.25, bush. \$4.80.

Carter's First Crop or Ringleader. Very early and productive, with fair-sized pods. Height 2 ft. Per pint 10c., qt. 20c., peck \$1.25, bush. \$4.80.

Improved Daniel O'Rourke. Is still a favorite with many large growers; pods large and uniformly well filled. Height, 2 ft. Per pint 10c., qt. 20c., peck \$1.25, bush. \$4.80.

Blue Beauty. An early dwarf, blue variety. The pods are of medium size, well filled and borne with great profusion. In quality and flavor it cannot be surpassed by any other round, smooth variety. Height, about 20 inches. Per pint 15c., qt. 30c., peck \$1.50, bush. \$5.50.

American Wonder. This variety is justly entitled to take first position at the head of the list of Extra Early Dwarf Wrinkled Peas, and stands unrivalled in point of productiveness, flavor and quality. Height, 10 to 12 inches, with a very branching habit. Per pint 20c., qt. 40c., peck \$2.25, bush. \$9.00.

SECOND EARLY VARIETIES.

McLean's Little Gem. This Pea is now a well known standard variety. It is one of the very best dwarf early sorts, and of exquisite flavor. Height, 1 ft. Per pint 20c., qt. 40c., peck \$2.25, bush. \$9.00.

Horsford's Market Garden. A wrinkled variety, prolific bearer; pods medium size, numerous and well-filled with peas of delicious flavor. Per pint 10c., qt. 20c., peck \$1.35, bush. \$5.40.

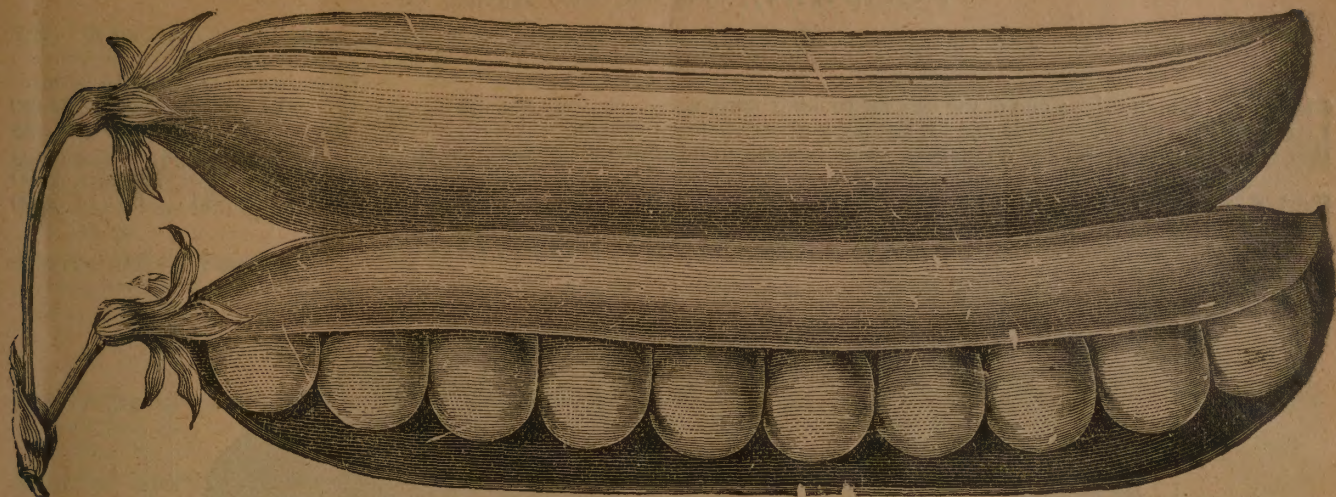
McLean's Blue Peter. A splendid bearer, with large and well-filled pods. Height, 1 ft. Per pint 20c., qt. 40c., peck \$2.00, bush. \$7.20.

McLean's Advancer. A dwarf, green wrinkled variety of fine flavor. Per pint, 20c., qt. 40c., peck \$2.00, bush. \$7.20.

GENERAL CROP.

Champion of England. Good for a general crop, very fine flavor. Height, 4 ft. Per pint 10c., qt. 20c., peck \$1.75, bush. \$6.00.

PEAS—Continued.



New Pea—The C. P. R. This is one of the grandest Peas we have so far catalogued. A main crop, blue wrinkled marrow Pea, growing about two feet high, of a sturdy, branching habit. It requires to be sown thinly, as the pods are produced from the very bottom of the plant to the top. The pods are large and slightly curved, and filled with peas of a fine deep green color and of the most delicious flavor. We strongly urge all growers to give it a trial. Per $\frac{1}{2}$ pint, 15c.; pint, 30c.; quart, 50c.

	Pint.	Qt.	Peck.	Bush.
Stratagem. This is one of the best, if not absolutely the best, of the many English Peas. It grows to a height of two feet, and the plant is literally covered with immense pods, many measuring nearly six inches in length, and frequently containing ten large, fine flavored Peas..	20	40	\$2 00	\$7 20
Telephone. Wrinkled, a strong grower, about four feet high, branches considerably, very large pods, peas of excellent quality.....	20	40	2 00	7 20
Pride of the Market. This fine variety grows from eighteen inches to two feet high, and from top to bottom of the haulm bears grand pods, well filled with large and fine flavored peas.	20	40	2 00	7 20
Dwarf Sugar, Edible Pods. A well flavored, large podded variety.....	25	50		
Large White Marrowfat. A very prolific, first-rate variety.....	10	15	40	
Black-Eyed Marrowfat. Great bearer, large pods.....	10	15	40	

PEPPER. *Piment, Fr. Spanisher Pfefer, Gr.*

Sow early in the spring in a hot-bed, and transplant end of May into rows eighteen inches apart and ten inches in the row, and earth up a little at one or two hoeings.

	Pkt.	Oz.
Cardinal. A distinct variety, from five to six inches in length, tapering to a point; of glossy bright red color.	5	75
Cayenne. Pods are small, cone-shaped, coral red when ripe.....	5	40
Cherry. The pods or fruit erect, nearly globular, cherry form; of a deep, rich, glossy scarlet.....	5	40
Chili. Pods pendant, shape conical, about two inches in length; very piquant.....	5	40
Golden Dawn. A rich deep yellow pepper, of uniform large size, sweet and mild.....	5	50
Improved Bull Nose or Sweet Mountain. A large, early variety, sweet and mild.....	5	40
Long Red. Pods brilliant red, and three or four inches in length; very productive.....	5	40
Long Yellow. Similar to the Long Red in shape and size, excepting in color.....	5	40
Mammoth Golden Queen. (New). The largest of the yellow varieties.....	5	50
Mammoth Spanish. One of the largest and earliest varieties; flesh is sweet and mild.....	5	40
Monstrous or Grossum. A remarkably fine variety, growing to a large size.....	5	40
Ruby King. Beautiful bright red; fruit very large and mild; one of the best.....	5	50
Squash. Skin smooth and glossy; flesh thick, mild and pleasant to the taste.....	5	40



Long Red Pepper.

The following varieties are of recent introduction, and come to us highly recommended:

Lupton's Summer Cabbage, Early Valentine Wax Beans, Pink Plume Celery, First Of All Corn, Non-such Corn, Wm. Hurst Peas, C. P. R. Peas, Vick's Early Leader Tomato

PUMPKIN. *Poitron, Fr. Kurbis, Gr.*

Plant middle of May in manured hills, eight feet apart, and leave but two or three plants in a hill.

	Pkt.	oz.	2 oz.	¼ lb.	lb.
Cheese. Medium size ; one of the best for cooking purposes.....	5	10	15	30	\$1 00
Large Yellow. Better adapted for feeding purposes than for cooking.....	5			10	25
King of Mammoth, or Jumbo. This variety can be grown to an enormous size ; flesh fine-grained and of excellent quality.....	10	20	35	60	2 00
Red Etampes. Large ; flat ; good for cooking.....	10	20	35	60	2 00

SELECTED SEED POTATOES.

The following varieties may be relied upon as genuine and of fine quality.



Bruce's White Beauty Potato.

Bruce's White Beauty. Introduced by us five seasons ago, and acknowledged by all who have grown it to be the most handsome and best all-round market variety yet introduced. In shape like the well-known Beauty of Hebron, it is earlier and more productive ; the tubers are of a uniform size and of the finest quality, the skin and flesh being pure white ; a good keeper. We strongly recommend it to market gardeners and other large growers.

The Freeman. This potato has shown unusual developments both as to early ripening qualities, enormous productiveness and strong vigorous growth.

Burpee's Extra Early. Of good size, oblong in shape, skin smooth, of a creamy-white color, shaded with pink ; flesh pure white ; fine grained, and of the best table quality. Very productive.

Early Puritan. An early variety of handsome, oblong shape ; skin and flesh pure white. Very productive.

The Thorburn. Earliest and best of all productive sorts ; a seedling of Beauty of Hebron, which it resembles

Early Ohio. A very fine extra early potato of vigorous growth and superior quality.

White Elephant. One of our best ; productive and of fine quality.

Empire State. A main crop variety ; very productive ; skin and flesh pure white.

Beauty of Hebron. Slightly flesh-colored skin, with pure white flesh. A popular variety.

Prices on application. We usually commence shipping potatoes about the first week of April (weather permitting).

RADISH. *Rades et Rave, Fr. Rettig, Gr*

One ounce will sow a row of one hundred feet,



Forcing Radishes.

For early crops they should be sown in hot-beds in February or March, and in the open air as soon as the ground can be worked, and at intervals of ten or twelve days for a succession throughout the season. Sow in drills eight or ten inches apart, and thin to a distance of two inches in the drills. The winter varieties should be sown in August, and lifted before severe frost. A warm, sandy loam, made rich and light by some well-rotted manure, will be most likely to produce them brittle and free from worms.

FORCING RADISHES.

Non Plus Ultra. A wonderfully rapid grower, which is fit for use within three weeks ; the root is round and bright scarlet ; the flesh tender and delicate ; it produces but few leaves. Per pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 30c., lb. \$1.00.

In and Out. New ; similar in size and shape to the Scarlet Turnip White Tipped, but of smaller top and much quicker growth, coming to maturity in a little over twenty days. A desirable variety. Per pkt. 5c., oz. 10c., 2 oz. 15c., ¼ lb. 30c., lb. \$1.00.

RADISH—Forcing Varieties—Continued.

Lily White. (New). A handsome, white, turnip variety, having remarkably few leaves, which are small and closely set. Comes to maturity in little over twenty days. Skin and flesh pure white, of excellent flavor. We recommend it to all market growers. Per pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Scarlet Olive Forcing. The largest of the forcing varieties, of a pure, deep scarlet color, the top being unusually small. This will be found a most profitable variety to grow. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

White Olive Forcing. Similar in every respect to above, except in color, both skin and flesh being pure white. Per pkt. 5c., oz. 10c., 2 oz. 20c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

FOR GENERAL GARDEN CROP.

Early Deep Scarlet Turnip. Color of the skin a very dark red, white flesh with very small tap root. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Scarlet Turnip, White Tipped. A standard market variety. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 80c.

French Breakfast. Oval form, color scarlet, white tipped. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Scarlet Olive-Shaped. Skin fine scarlet, flesh rose color. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 80c.

White Olive-Shaped. Same as above in every respect, except color. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 25c., lb. 80c.



Scarlet Turnip, White Tipped.



Chartier Radish.

	Pkt.	oz.	2 oz.	$\frac{1}{4}$ lb.	lb.
White Turnip. Skin white, flesh white, some days later than the scarlet.....	5	10	15	25	70
Half Long Deep Scarlet. An early variety, intermediate in shape between the Long Scarlet and the Scarlet Olive-Shaped.....	5	10	15	25	80
Long Scarlet. Roots long, of a beautiful pink color. Standard sort for marketing.....	5	10	15	25	60
Long White Vienna or Lady Finger. This is the best long white variety, of handsome form. Skin and flesh pure white, of very rapid growth. Remarkably crisp, brittle, and tender.....	5	10	15	30	1 00
Chartier. A long radish, of deep crimson color at the top, shading off lighter until at the bottom they become white. The roots attain a large size and remain for a long time tender and crisp.....	5	10	15	25	75

WINTER RADISHES.

China, Rose-Colored. Size medium, flesh firm, rather piquant. The standard winter variety.....	5	15	20	30	1 00
China, Round Scarlet. New variety. The root is round, of a fine scarlet color, of medium size, $2\frac{1}{2}$ to 3 inches in diameter, by as much in length. The flesh is pure white and of an agreeable and mild flavor. Fit for use in six or eight weeks. Very hardy.....	5	20	35		
Black Spanish Round. Large round, color black, of fine quality.....	5	15	20	30	1 00
Black Spanish Long. Similar to the preceding in every respect, except shape.....	5	15	20	30	1 00
California Mammoth or White Russian. A giant white-fleshed fall radish. It grows from 8 to 12 inches in length and about $2\frac{1}{2}$ in diameter.....	5	15	20	30	1 00

RHUBARB. *Rhubarbe.* Fr. *Rhubarber,* Gr.

Sow the seed early in spring, in rows 12 inches apart, in good, rich soil, and the following spring transplant into rows two feet apart each way; manure the ground to the depth of two feet. In raising Rhubarb from seed, no reliance can be placed on their producing the true varieties; the most expeditious and satisfactory mode to obtain a supply is to procure roots already grown which will produce a moderate supply the first season. The roots will last many years by manuring them every fall, and covering the crowns of the plants with light litter.

	Pkt.	oz.	2 oz.	$\frac{1}{4}$ lb.	lb.
Victoria. Very large, fine for cooking.....	5	25	40	75	\$3 00
Myatt's Linnæus. Very early and tender.....	5	25	40	75	3 00

The mails provide for the people of the Dominion a safe, swift and economical means of procuring from us the best Seeds obtainable, at moderate prices.

SALSIFY or VEGETABLE OYSTER. *Salsifis*, Fr. *Haferwurz*el, Gr.

Sow early in spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row; cultivate similar to carrots and parsnips. They are quite hardy, and will stand the winter in the open ground.



Mammoth Sandwich Island Salsify.

Mammoth Sandwich Island. Roots very large and of excellent quality. Per pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. \$2.00.

Long White. A standard variety. Per pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. \$2.00.

SEA KALE. *Chou Mari*, Fr. *Meerkohl*, Gr.

Sow in drills one foot apart, and thin out to four inches in the row. When one year old transplant into hills eighteen inches apart, and three plants to each hill. On approach of frost cover about two feet thick with dried leaves. Per pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. \$3.00.



SCORZONERA.

Scorzonere, Fr. *Scorzonerwurz*el, Gr.

Cultivate same as Salsify.

Scorzonera. Per pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. \$2.00.

SPINAGE. *Epinard*, Fr. *Spinat*, Gr.

One ounce will sow a row of 100 feet; 10 to 12 lbs. for an acre.

Sow early in the spring, in drills one foot apart, and thin out to six inches in the row. Rich light soil is requisite to produce large, tender leaves. For winter crop sow end of August; cover lightly with clean straw; soak the seed six hours before sowing.



Monstrous Viroflay Spinage.

Monstrous Viroflay. Extra large, round leaved variety, with thick succulent leaves. Per pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 20c, lb. 40c.

	Pkt.	Oz.	2 Oz.	¼ lb.	lb.
Catillon Long Standing. A variety with large, thick, succulent leaves, which does not run to seed as quickly as other sorts. One of the best for market gardeners to grow...	5	10	15	20	\$0 40
Fall or Prickly Seeded. Leaves long, thin in texture and erect.....	5	10	15	20	40
New Zealand. Produces leaves of the greatest succulency in the hottest weather.....	5	20	35	60	1 50

SQUASH. *Courg*, Fr. *Kurbis*, Gr.

One ounce for fifty hills.

Any good enriched soil is adapted to the growth of Squashes. They only thrive well in a warm temperature, as all the varieties are tender annuals; and the seed should not be sown in spring until all danger from the frost is past, and the ground is warm and thoroughly settled. The hills should be made from eight to ten inches in depth, manured well, and the seeds covered about three-fourths of an inch deep. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants in a hill. The custom of cutting or nipping off the leading shoots of the running varieties is now practised to some extent, with the impression that it facilitates the formation of fruitful laterals and the early maturing of the fruit.



Long White Vegetable Marrow.

	Pkt.	Oz.	2 oz.	¼ lb.	lb.
Early Yellow Scallop Bush. Early, flat, scalloped-shaped, yellow and fine grained.	5	10	15	30	\$1 00
Early White Scallop Bush. Similar to the preceding except in color.....	5	10	15	30	1 00
Early Summer Crookneck. One of the finest of the summer varieties.....	5	10	15	30	1 00
Vegetable Marrow, Moore's Cream. Skin greenish yellow; flesh white, soft, rich flavor.....	5	20	35	60	2 00
Long White Vegetable Marrow. A very long, pure white marrow of finest quality, very productive.....	5	20	35	60	2 00
Long White Bush Marrow. The fruit of this bush variety is similar in size and color to preceding.....	5	20	35	60	2 00

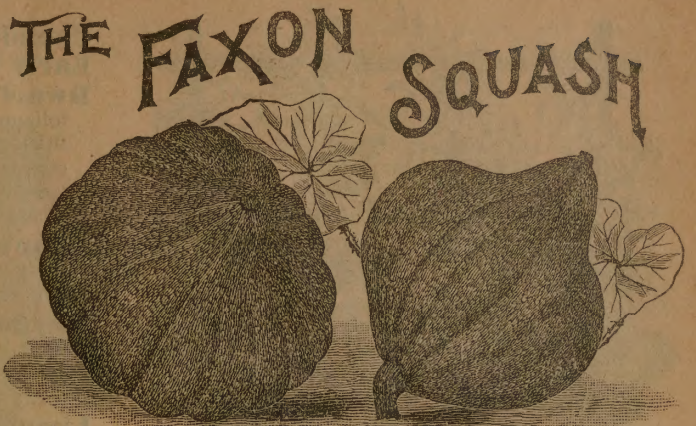
SQUASH—Continued.

The Faxon. A distinctive feature of this squash is that the ripe squashes vary in color, some of them being pale yellow while others are green, mottled and striped. The flesh is a deep orange yellow, cavity very small and seeds few. It matures early and can be used as a summer squash. It is the best winter variety, being a very late keeper. Besides being very early it is enormously productive, of medium size and the best possible quality. Per pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Boston Marrow. A very popular variety, productive and a good keeper. Per pkt. 5c., oz. 10c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.50.

Perfect Gem. Excellent both as a summer and winter variety. Per pkt. 5c., oz. 15c., 2 oz. 25c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Essex Hybrid or Turban. A cross between the Hubbard and Turban, with color, shape and qualities of the latter, and dryness and hard shell of the former. The flesh is sweet and thick, and of a bright orange color; long keeper. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



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Hubbard Squash.

	Pkt.	oz.	2 oz.	$\frac{1}{4}$ lb.	lb.
Hubbard. The standard winter squash, color dark green, shell hard, flesh dry, fine grained and sweet. Excellent keeper.....	5	15	25	40	\$1 25

Fordhook Squash. A winter variety; oblong in shape, color a bright yellow; the flesh is dry, sweet and of the finest quality; very productive, remarkable keeper; skin thin, delicate; meat thick; seed cavity small; a most desirable variety.....	5	15	25	40	1 50
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Mammoth. Grows to a great size, often weighs 200 pounds; good for stock.....	10	25	40	75	3 00
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TOMATO. *Tomato, Fr. Liebes Apfel, Gr.*

For early crops, sow the seed in a hot-bed in March; when two inches high transplant into pots or into another bed, and attend them carefully until all danger from frost is past, then plant in a sheltered situation fully exposed to the sun, support them with brush to keep the fruit off the ground. For general crops the seed may be sown in the open ground at the end of April and transplant into hills four feet apart. This is a vegetable worthy of the most extensive cultivation.

Vick's Early Leader. The propagator of this new Tomato, Mr. Clark, a well-known market gardener, of Oswego County, N. Y., claims for the Leader, that it is the earliest, most productive, finest quality, and best formed Tomato in existence. The Leader grows in several clusters, upon a well supporting vine, showing from fourteen to nineteen large fruits of rich crimson color. Three clusters of ripe fruit have weighed 8 lbs. 2 oz. at one picking. Pkt. 15c., 2 pkts. 25c.

Fordhook First. This new Tomato, Fordhook First, while it is a perfectly smooth, solid tomato of first-class appearance, it is also extremely early—ready to market as soon as the rough, unshapely fruits of poor quality of the old Early Conqueror type. The perfect uniformity of Fordhook First, with its smooth, thoroughly ripened fruits, in color of a deep, rich red, tinted with purple, is really marvelous, when it is considered that these first-class tomatoes can be had for table or market as early as the inferior rough fruits, which have hitherto had a monopoly of the first markets. Per pkt. 10c., oz. 40c., 2 oz. 75c.

Livingston's Aristocrat. This fine new variety in habit and growth and foliage resembles the Dwarf Champion, the color of its fruit, however, is a beautiful rich, glossy red. It will be found especially desirable for forcing under glass and growing outside for early market purposes. It may be planted 3 x 3 feet, or even closer, making it also suitable for small gardens, where every foot of land is to be utilized. It is so smooth and round, and its delicate tinted coat so glossy, that it is entitled to the name "ARISTOCRAT." Price per pkt. 10c., oz. 40c., 2 oz. 75c.

Mitchell's No. 1. The raiser, a well-known Canadian grower and originator of the Canada Victor, claims for his No. 1 more real merit than any other early sort yet introduced; unequalled in quality; of uniform large size; smooth and even, and a fine red color. Per pkt. 5c., oz. 50c., 2 oz. 80c., $\frac{1}{4}$ lb. \$1.50.

Early Ruby. Extra early. The peculiar open habit of the plant is a distinctive feature of this variety, the sun having a better chance to reach and ripen the fruit than in more compact and upright sorts. Per pkt. 5c., oz. 30c., 2 oz. 55c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.



Vick's Early Leader.

TOMATO.—Continued.



Atlantic Prize Tomato.

	Pkt.	oz.	2 oz.	¼ lb.	lb.
Canada Victor. Extra early.....	5	30	55	\$1 00	\$3 00
Early Conqueror	5	30	55	1 00	3 00
Dwarf Champion. Quite distinct in foliage and habit of growth, the leaves thick and different from any other; growth compact and upright. The crop ripens very early and evenly, and resembles the Acme in appearance.....	5	30	55	1 00	3 00
Atlantic Prize. A well known extra early variety; largely grown for first crop. The fruit is solid and of good quality....	5	30	55	1 00	3 00
Mayflower. Very early; shape perfectly globular, slightly flat-headed and perfectly smooth; color glossy red, and ripens perfectly and evenly.....	5	30	55	1 00	3 00
Livingston's Beauty. Large, dark crimson, tough skin; fine market variety.	5	30	55	1 00	3 00

Pkt. oz. 2 oz. ¼ lb. lb.

The Stone. Large; bright scarlet; smooth and solid; ripens up to the stem without a crack; an excellent main crop variety	5	30	55	\$1 00	\$3 00
Livingston's Perfection. A well-known early variety, which is more extensively grown for canning purposes than any other tomato; blood red color, perfectly smooth; ripens uniformly and is wonderfully productive.....	5	30	55	1 00	3 00
Livingston's Favorite. Like the preceding, it is a popular canning variety of a fine dark red color. It ripens evenly, is very prolific,, good flavor, flesh solid, and bears shipping long distances.....	5	30	55	1 00	3 00
Ignotum. Very early and prolific; color fine deep red; fruit smooth, heavy and solid, and of delicious flavor.....	5	30	55	1 00	3 00
Scovill's Hybrid. Medium early, large and solid; ripens perfectly to the stem, and rarely rots or cracks.....	5	30	55	1 00	3 00
Lorillard. Bright glossy red; smooth; of fine flavor and very early.....	5	30	55	1 00	3 00
Acme. Color glossy dark red, with a sort of a purplish tinge; very smooth and solid.	5	30	55	1 00	3 00



Ignotum Tomato.

	Pkt.	oz.	2 oz.	¼ lb.	lb.
Volunteer. Moderately early; productive, and of fair size; bright red...	5	30	55	\$1 00	\$3 00
Paragon. Bright red; round and productive.....	5	30	55	\$1 00	\$3 00
The Trophy. One of the largest and best flavored Tomatoes; a standard late variety.....	5	30	55	1 00	3 00
Mikado. Very large; smooth and solid; skin purplish red; has distinct and fine foliage.....	5	30	55	1 00	3 00
Golden Queen. Handsome, round, early and productive.....	5	30	55	1 00	3 00
Large Yellow. Similar in size and shape to the Large Smooth Red	5	35	60	1 00	3 25

Red and Yellow Pear-Shaped. A fine variety for pickling.....	10	50			
Yellow Plum. Round and smooth, used for pickles.....	10	50			
Red and Yellow Cherry. Best for pickling.....	10	50			
Strawberry or Ground Cherry. A very fine variety for preserving	10	60			
The Peach. Resembles the peach in size and color. An excellent preserving sort.....	10	50			

The special attention of Canners is directed to our selected stock of Tomato Seed.

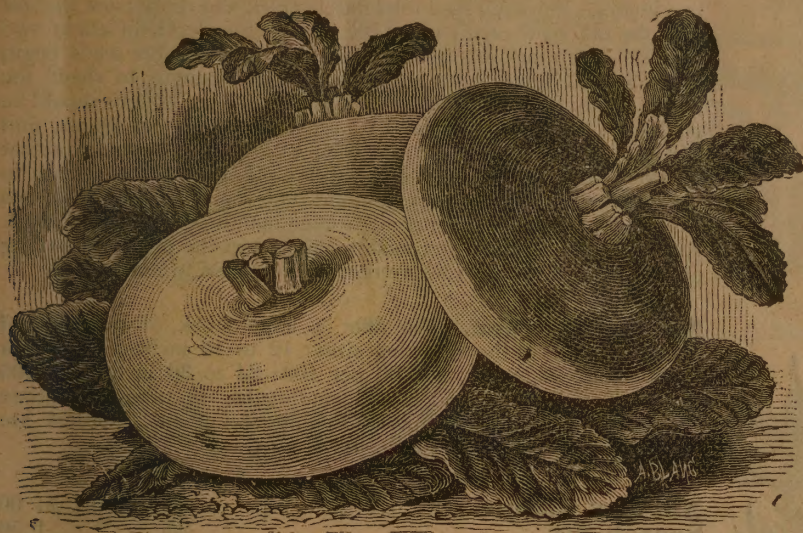


Livingston's Perfection Tomato.

Plants of the leading varieties supplied. Prices on application.

TURNIP. *Navet, Fr. Rube, Gr.*

For early crops sow as early in the spring as the ground can be worked, in drills twelve inches apart, and thin to six or eight inches; for general crops to the middle of August. They succeed best in light, rich soil. Black, loamy soil produces the sweet-flavored ones.



Nimble Dick.

Red Top Strap Leaf.

Early Nimble Dick. The earliest and most delicious table turnip in existence; bulbs medium size, flat; color pure white. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Early Flat White Dutch. Size medium, of quick growth, juicy, excellent quality. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Purple Top Strap Leaf. Flesh fine-grained, rich and buttery flavored. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Bruce's Golden Ball. Skin bright yellow; flesh firm, sweet and well flavored. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Early White Stone. A very fine variety. Per pkt. 5c., oz. 10c., 2 oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Laing's Improved Purple Top Swede. An excellent Turnip for rich, free soils, very handsome, with a peculiar leaf and small top. Per pkt. 5c., $\frac{1}{4}$ lb. 10c., lb. 30c.

White Swede. Flesh pure white, of extraordinary solidity and well flavored. Per pkt. 5c., $\frac{1}{4}$ lb. 10c., lb. 30c.



Sweet Basil.

Sage.

Sweet Marjoram.

Summer Savory.

Thyme.

POT, SWEET AND MEDICINAL HERBS.

IN PACKETS AT FIVE CENTS EACH.

	Per. oz.		Per oz.		Per oz.
Angelica.....	20	Coriander.....	10	Marjoram, Pot.....	50
Anise.....	20	Dill.....	20	Pot Marigold.....	50
Balm.....	40	Elecampane.....	50	Rosemary.....	75
Basil, Sweet.....	40	Fennel, Sweet.....	20	Rue.....	50
Basil, Bush.....	40	Fenugreek.....	10	Saffron.....	40
Borage.....	30	Henbane.....	50	Sage.....	20
Belladonna.....	50	Horehound.....	40	Summer Savory.....	20
Caraway.....	10	Hyssop.....	30	Savory, Winter.....	25
Castor Oil Plant.....	20	Lavender.....	30	Thyme.....	40
Catnip.....	75	Marjoram, Sweet.....	20	Wormwood.....	50

John A. Bruce & Co's Collection of Vegetable Seeds

For the convenience of customers who are unacquainted with the most suitable varieties, we put up the following collections, comprising only the finest sorts which we know from our long experience are best suited for the district or province for which they may be wanted.

A COMPLETE ASSORTMENT FOR ONE YEAR'S SUPPLY.

No. 1 collection.....	\$1 00	by mail postage paid.
No. 2 collection.....	2 00	" "
No. 3 collection.....	3 00	" "
No. 4 collection.....	5 00	" "
No. 5 collection.....	10 00	" "

These Collections will be forwarded free by mail to any P. O. in the Dominion.



TREE AND HEDGE SEEDS.

Sow in the spring, just as soon as the ground is in good working condition, in beds three feet wide; then draw the soil with the back of the rake from the centre of the bed to a uniform depth of two inches. Sow the seed moderately thick and draw back the soil with the rake and evenly cover the seed to the depth of about two inches. Keep the beds free from weeds, and when the seeds begin to germinate, lightly cover the beds with pine boughs to shade the young plants from the sun. When all are up, the boughs should be gradually removed in order to harden off the young plants, and during the first winter cover the beds with pine boughs to protect the young plants from snow and the sun. Let the plants remain in the beds from two to three years, and then transplant into rows two and a-half feet apart, leaving six to nine inches between each plant. Keep the ground clean and mellow, and when the plants are strong enough remove them to where they are intended to remain.

Norway Spruce. We offer a large stock of transplanted stocky plants of the following sizes: 12 to 15 inches, \$6.00 per 100; 18 to 24 inches, \$10.00 per 100; 24 to 36 inches, \$15.00 per 100; suitable for hedges and windbreaks. The above are home raised and altogether superior to imported plants. Orders are requested to be sent in by the 1st of May.

Norway Spruce.....	per oz.	20c,	per lb.	\$1 00
Scotch Fir.....	"	25c,	"	1 50
Silver Fir.....	"	20c,	"	1 50
Juniper, Virginian.....	"	25c,	"	2 00
Sugar Maple.....	"	20c,	"	1 50
European Larch.....	"	25c,	"	2 00
Austrian Fir.....	"	20c,	"	1 50
Arbor Vitæ.....	"	30c,	"	2 75
Hemlock Spruce.....	"	50c,	"	6 00
Mulberry, Russian.....	"	30c,	"	2 50
Black Walnuts.....	Per bushel,			1 00

Any of the above can be supplied at 10c. per packet.



Norway Spruce.

SEEDS FOR HEDGES.

Sow the following in the fall, if convenient. If sown in the spring, soak the seeds in tepid milk or water forty-eight hours before sowing, which will assist the germination of the seeds. Sow in drills two feet apart, and when two years old transplant into rows two and a-half feet apart and nine to twelve inches between each plant. Hoe frequently and keep free of weeds, and when two feet high transplant to where you want them to remain.

Acacia, Three Thorned or Honey Locust. (<i>Gleditschia triacanthos</i>). Very hardy and effectual against man or beast; admirably adapted for the prairies.....	per oz.	10c,	per lb.	\$0 50
Buckthorn. (<i>Ramnus Catharticus</i>). Clean seed.....	"	20c,	"	2 50
Yellow Locust. (<i>Robina pseudo acacia</i>).....	"	10c,	"	1 00
Osage Orange. (<i>Machura Aurantiaca</i>).....	"	10c,	"	75
Berberry. (<i>Berberis Vulgaris</i>). Very hardy, producing a fine compact hedge, also valuable for its fruit, which is excellent for preserving.....	"	20c,	"	2 50

FRUIT SEEDS.

Apple Seeds.....	per lb.	\$0 50	Cherry Pits, Mahaleb.....	per lb.	\$0 75
Peach Seeds.....	"	25	Pear Seeds.....	"	1 25
Quince Seeds.....	"	2 00	Plum Stones.....	"	30
Strawberry, choice kinds.....	per pkt.	25	Gooseberry.....	per pkt.	25
Currants, Red, White and Black.....	"	25	Raspberry, Red and White.....	"	25

BIRD SEEDS.

Carefully cleaned, fresh and free from all impurities. If wanted by mail add four cents per lb.

Canary.....	per lb.	\$0 08	Hemp.....	per lb.	\$0 08
Rape, English.....	"	10	Millet.....	"	5
Maw.....	"	30	Rape, German Sweet.....	"	8

Special prices for 100 pound lots and upwards.

Pinner's prepared food for Mocking Birds, Thrushes, Blackbirds, etc., in bulk 35c. per lb., in bottles.....	35	cents each.
Denham's improved Bird Tonic for Canaries and all kinds of Seed Birds, in bottles.....	30	" "
Hart's Mountain Song Restorative.....	25	" "
McAllister's Non-Poisonous Bird Lice Destroyer in Horace's Patented Bellows Box.....	25	" "
Cuttle Fish Bone, per oz. 5 cents.		Bird Sand in packages, 5 and 10 cents each.

Tree, Hedge, Fruit, Bird and Agricultural Seeds going per mail require 4c. per lb. extra.



...Agricultural Seeds—

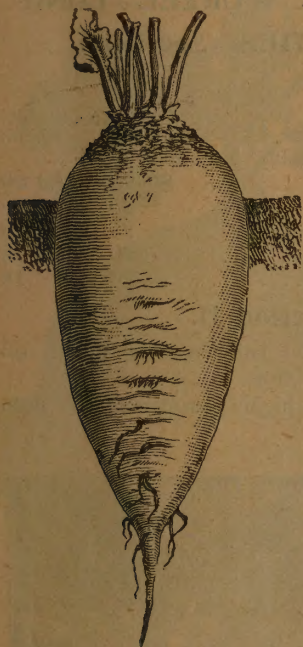
In submitting our List of Farm Seeds we take pleasure in stating that our extensive stocks have been secured in excellent condition; they have, as usual, had the most careful supervision by our growers, from the time of planting until maturity, and may be depended on with reasonable degree of certainty to give satisfaction, when due allowance is made for imperfections of weather, soil and cultivation. The large increase annually in our trade with the farmers in all portions of the Dominion is an evidence of the superiority of our stocks, and of the personal attention we give to the interests of those who have without intermission, patronised us so liberally.

SUGAR BEET.

Sow from the middle of April to the first of June, in drills two feet apart, then thin to nine inches in the row. Five pounds of seed per acre. For milch cattle they are most valuable.

	Per lb.
White Silesian. (Lane's Improved). Grows to a large size. Excellent for milch cows.....	\$0 25
Red Top Silesian. This is probably the largest and heaviest cropper.....	25
White French. New. A very superior variety, unusually rich in saccharine properties, and a heavy cropper.....	40

ABOVE VARIETIES IN 10 LB. LOTS 5 CENTS PER LB. LESS.



White Silesian Beet.

FIELD CARROT.

This is an indispensable root for the farm, and is deserving of more general cultivation. They succeed best on sandy soil; will also do well on strong clay loams, when perfectly pulverized, well drained and free from weeds. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Sow from the middle of April to the first of June, in drills eighteen or twenty inches apart, and when about three inches high, thin to four inches between each plant. Sow three pounds of seed to the acre.

Large White Vosges. This has now become a standard variety with the farmers of the Province. The root is

large and very thick at the shoulder, much shorter than the White Belgian and thus more easily harvested; skin and flesh pure white; a wonderful cropper and of excellent feeding qualities. Per lb. 50c.

Mammoth Intermediate Smooth White. This grand new half long carrot is somewhat longer than the preceding and more uniform in shape. The flesh is pure white, solid, of the finest quality. Very productive and easily harvested; a good keeper. This Carrot is sold under numerous aliases, our name for it is simply descriptive of the appearance of the best of all field Carrots. Per lb. 50c.

White Belgian. Improved. A well-known variety, of fine quality; most profitable for field culture. Per lb. 40c.

Long Orange Belgian. Superior in quality and a heavy cropper. Per lb. 60c.

French Intermediate Scarlet. A very valuable variety for shallow soils. Per lb. \$1.00.

Long Orange. Large fine quality, good for general crop. Per lb. 60c.

Altringham. Long, deep red color, excellent. Per lb \$1.00.



Mammoth Intermediate Smooth White.

MANGEL WURZEL—Choice Selected Stocks.**LARGE QUANTITIES AT SPECIAL RATES.**

This is one of the most important crops cultivated for consumption on the farm, and in the vicinity of large towns is found to be a profitable crop for marketing. It is of easy culture, the weight of roots grown exceeds that of any other crop, and properly supplied to stock is perhaps the most valuable and nutritious. One of the best properties consists in its adaptation for long and safe storage, by which it is improved, as roots securely put into pits or cool cellars in October will come out in the early part of May containing more nutritive qualities than when put in, forming an admirable substitute for grass in a late season.



The Gate Post Mammoth Long Red Mangel.

The following are the best adapted for deep, rich, loamy soil:

	Per lb.	In 5 lb. lots. Per lb.
The Gate Post (Bruce's). A select stock of the Mammoth Long Red. Roots remarkably large, smooth and perfect in shape. The most profitable of the Long Red Varieties.....	\$0 25	\$0 20
Mammoth Long Red. A well-known and Popular strain.....	25	20
Norbiton Giant Long Red. A first-class variety.....	25	20
Long Red. Medium Size, of good quality.....	20	18
Long Yellow. A good variety, producing large roots.....	20	18

GLOBE AND INTERMEDIATE SHAPED VARIETIES—Section II.

Will succeed equally well with the above on light soils, but from the peculiar shape of the bulb may be grown on strong and even hard land with advantage, where the former would fail to yield a satisfactory crop.

Golden Tankard. Flesh golden yellow. This Mangel contains more saccharine and a higher proportion of flesh forming constituents than any other Mangel. Per lb. 25c., in 5 lb. lots, per lb. 20c.

Giant Yellow Intermediate.

This is a new and distinct strain of the intermediate type; the enormous size of the roots, their handsome shape, bright, smooth, yellow skin, while the flesh is of the most solid texture and nutritious quality, makes it the most valuable introduction of recent years, and we take pleasure in recommending it to every mangel grower in the Dominion. Per lb. 25c., in 5 lb. lots, per lb. 20c.

Yellow Intermediate. Large, solid, good keeper. Per lb. 25c., in 5 lb. lots, per lb. 20c.

Red Fleshed Tankard. In shape it resembles the Golden Tankard; is large, solid, nutritious. Per lb. 25c., in 5 lb. lots, per lb. 20c.

Mammoth Red Intermediate. Yields enormously. Per lb. 25c., in 5 lb. lots, per lb. 20c.

Yellow Globe. Very large and productive. Per lb. 25c., in 5 lb. lots, per lb. 20c.

Warden Orange Globe. Similar to preceding, darker in color; fine quality; a grand keeper. Per lb. 25c., in 5 lb. lots, Per lb. 20c.

Red Globe. Large and fine. Per lb. 25c., in 5 lb. lots, per lb. 20c.



Giant Yellow Intermediate Mangel.

Write us for Special Prices on Grains, Clovers and Grass Seeds when ready to buy.

The heaviest crops of this excellent root are invariably grown upon land which has been thoroughly cultivated and liberally manured. Artificial manure should be applied at the rate of 500 to 1,000 lbs. per acre, with the addition of 400 lbs. of salt, of which all plants need a large supply, and which even of itself is capable of increasing the yield per acre to a considerable extent. The seeds should be drilled to secure a uniform depth, at the rate of five to six lbs. per acre. Sow from the middle of April to the first of June, in drills two-and-a-half to three feet apart, and thin to sixteen or twenty inches in in rows. The intermediate, from its peculiar shape, may be allowed to stand closer than other varieties. For feeding milch cattle it stands unrivalled. An average crop is thirty tons, and on some of the sewage farms in England the enormous yield of eighty to ninety tons per acre has been grown.

MANGEL WURZEL—LONG VARIETIES—Section I.

TURNIP SEEDS.

LARGE QUANTITIES AT SPECIAL RATES.

The Turnip is now one of the most important crops grown on the farm, and its success, no doubt, depends greatly on the preparation of the soil and the judicious application of manures, but not less so on the quality of the seed and the care exercised in the selection of the bulbs from which the seed is saved. Impressed with this fact, we have for many years paid special attention to the growth of Turnip Seed, and the increased demand we experience each successive season, as well as the gratifying accounts we receive from all parts of the Dominion as to the excellence of our Turnip Seed, affords us satisfactory evidence of the superiority of our stock, and the success that has attended our efforts.

Bruce's Selected East Lothian Purple Top.

This fine variety has been carefully selected and improved so as to obtain a globular shaped root, free from the least tendency to coarseness; it is particularly adapted to the richer description of soils, and for long keeping qualities cannot be surpassed; it is an extremely heavy cropper, and as a prize winner it takes first place. Per lb. 25c, in 5 lb. lots per lb. 20c.

Hall's Westbury. A well-known standard purple top variety; handsome appearance, large and solid, a grand keeper, and possibly the best shipping turnip grown. Per lb. 25c, in 5 lb. lots per lb. 20c.

Carter's Elephant Swede. A handsome tankard-shaped Swede, which matures early. The upper part of the root is dark purplish crimson, the flesh deep yellow, solid and nutritious, producing more weight to the acre than any other variety. Per lb. 30c, in 5 lb. lots per lb. 25c.



Bruce's Selected East Lothian Swede Turnip.

Carter's Imperial Purple Top. One of the hardiest and best keeping Swedes. Per lb. 25c, in 5 lb. lots per lb. 20c.

Marquis of Lorne Purple Top. This is a highly improved variety of the East Lothian type, produces a large weight per acre, is very hardy, and for evenness of crop and keeping qualities it is unequalled. Per lb. 25c, in 5 lb. lots per lb. 20c.

Royal Norfolk Purple Top. A heavy cropper and a good keeper. We consider this variety one of the best on our list for strong, heavy land. Per lb. 25c, in 5 lb. lots per lb. 20c.

Drummond's Purple Top. A selected Scotch variety of great excellence, globular in shape, large, solid and of finest quality. Per lb. 30c, in 5 lb. lots per lb. 25c.

Shamrock Purple Top. Large, handsome shaped variety, and an excellent keeper. Per lb. 25c, in 5 lb. lots per lb. 20c.

Skirving's Improved Purple Top. This is a most robust grower and heavy cropper, but runs to neck on rich ground. Per lb. 25c, in 5 lb. lots per lb. 20c.



Marquis of Lorne Swede.

Sutton's Champion. A purple topped variety, recommended for size and fine quality. Per lb. 25c, in 5 lb. lots per lb. 20c.

King of Swedes. A remarkable cropper, giving a heavy weight per acre. Per lb. 25c, in 5 lb. lots per lb. 20c.

Sharpe's Improved Purple Top. A very heavy cropper, with small top, thin neck. Per lb. 25c, in 5 lb. lots per lb. 20c.

Bangholm Purple Top. A very large and handsome variety. Per lb. 25c, in 5 lb. lots per lb. 20c.

Laing's Improved Purple Top. Very handsome, with a peculiar leaf and small top; for those who grow for the market this variety is highly recommended. Per lb. 30c, in 5 lb. lots per lb. 25c.



Carter's Elephant Purple Top Swede.

TURNIP SEEDS—Continued.

	Per lb.	In 5 lb. lots. Per lb.
Hartley's Bronze Top. Small neck and single tap root ; very rich in quality and a first-rate keeper.	30	25
Fettercairn Green Top. Will keep sound longer than any other variety ; fine quality	30	25
White Swede. Remarkable for its nutritious properties, hardiness and long keeping.	30	25

YELLOW FLESHED TURNIPS.

May be sown from the first week in July to the middle of August, either after it is considered too late for Swedes or on land of not sufficient good quality to produce Swedes, or when there is absence of a supply of manure.

LARGE QUANTITIES AT SPECIAL RATES.

	Per lb.	In 5 lb. lots. Per lb.
Green Top Yellow Aberdeen, or Bullock. A hardy and excellent variety.	30	25
Purple Top Yellow Aberdeen, or Bullock. Similar in quality to above.	30	25
Golden Ball. A beautiful yellow turnip, hardy, and an excellent market variety.	60	
Orange Jelly. Round, yellow, similar to above.	60	



Improved Grey Stone Turnip.

WHITE FLESHED TURNIPS.

The varieties embraced in this class may be sown still later than the preceding, say from the middle of July to the end of August.

	Per lb.	In 5 lb. lots. Per lb.
White Globe. Grows very large ; is early and of fine quality.	25	22
White Stone or Stubble. A well-known and excellent variety.	60	50
Grey Stone. Grows to an immense size ; is early, hardy and of excellent quality.	25	22
Improved Purple Top Mammoth. Grows to a very large size, and keeps well.	30	25
Red Top Strapleaf. A rapid grower ; valuable variety for late sowing.	60	50

BARLEY.

PRICES ON APPLICATION.

Improved Six-Rowed. Carter's Prize Prolific Two-Rowed. Hulless. Duckbill.
Cotton bags, 2 bush., 20c. and 25c. each.

BEANS—WHITE FIELD.

PRICES ON APPLICATION.

Where the soil is suitable beans will be found a most profitable crop to grow, and at the same time there is nothing better for keeping the ground clean. We offer the following varieties at market rates :

Tree Bean. | **Boston Small Pea Bean.**
Medium, or Navy Bean. | **Marrowfat Bean.**

BUCKWHEAT.

PRICES ON APPLICATION.

Common Grey Buckwheat. Japanese. Silver Hull. A most desirable variety.

BROOM CORN.

Succeeds in good deep soil ; it is very sensitive to cold.

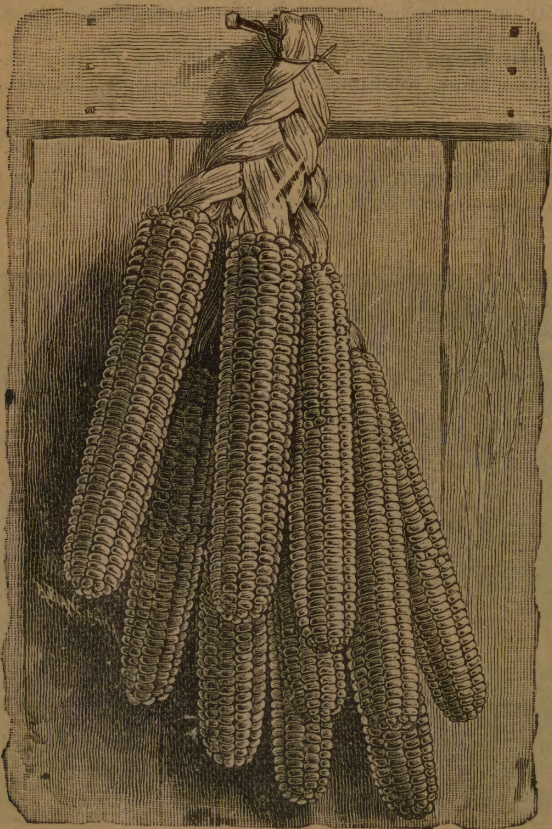
Long Bush Evergreen.....Per lb. 20c.

CORN—FIELD VARIETIES.

Compton's Early 12-rowed Yellow. From its earliness and productiveness, this variety has given great satisfaction ; it is also highly recommended as a fodder corn. Per bushel, shelled, \$1.25.

Angel of Midnight. This is an extra early 8-rowed Yellow Flint variety ; the grains are very large and compactly set on a very small cob. Per bushel, shelled, \$1.25.

Early 8-rowed Yellow Flint. A well-known variety. Per bushel, shelled, \$1.25.



Angel of Midnight.

CORN—Field Varieties—Continued.

Early White Flint, 8-rowed. A very profitable variety. Per bushel, shelled, \$1.25.

Golden Dewdrop. A very handsome 8-rowed Yellow Flint; the ears are of medium length, the grain large, cobs small. Per bushel, shelled, \$1.25.

Longfellow. A most desirable 8-rowed Yellow Flint variety. Per bushel, Shelled, \$1.25.

CORN—FOR FODDER AND ENSILAGE PURPOSES.

Our list of Corn embraces all the varieties that careful experiments have demonstrated to be the most valuable for cutting, for green fodder, and for use in the Silo for winter feeding. Dairying has become such an important industry in Canada, that any new introduction that tends to increase the product of the cow is sure to attract attention, and for this reason dairymen are close observers of the varieties that produce the best results. For cutting green we believe the Evergreen sweet Corn will be found the most valuable on account of its richness, while the Dent varieties are better adapted for the Silo as they are less liable to become sour. The corn we offer has been specially grown for seed and the germination carefully tested.

Mammoth Red Cob Ensilage. A well known variety of great productiveness and most nutritious quality.

Mammoth White Cob Ensilage. Similar to the preceding in every respect.

Red or Yellow Western Horse Tooth Corn. Also used for Fodder and Ensilage.

Golden Beauty. A most productive variety, highly recommended.

Prices of above four varieties on application.

New White Cap Yellow Dent. Expert Corn growers pronounce it a perfect field corn, as to yield, size of ears, color, size of cob, and growth of fodder. It matures in 90 to 95 days, and it is claimed for it that no corn in the world will yield as well on poor, thin land and none stand the drought as well. Per bushel, shelled, \$1.00.

Pride of the North or Early Golden Dent. A very early Dent variety, ripening with the Flint sorts; the ears have from 14 to 16 rows and average 8 to 10 inches in length; the stalks are small, with fine broad leaves. Per bushel, shelled, 90c.

Improved Leaming. A good variety for withstanding drought by reason of its earliness in maturing, strong and vigorous growth, and its stocky, leafy nature which enables it to stand until ripe. Per bushel, shelled, 90c..

Early Mastadon. It is claimed for this Early Dent variety that it has the largest number of rows on cob and the longest grains of any corn so far originated. It is a strong and vigorous grower and comes to maturity in about 100 days. Per bushel, shelled, \$1.00.

Evergreen Sweet Corn. This is the sweetest and most nutritious of all the fodder varieties and will be found most valuable for cutting and using as green fodder. Per measured bushel, shelled, \$1.50.

Sanford. The best of all the White Flint varieties; it is very early, has abundance of leaves and is suitable alike for green fodder or ensilage purposes; we highly recommend it. Per bushel, shelled, \$1.00.

King of the Earlies. Claimed to be earliest of the Dent varieties, a strong grower and heavy cropper. Per bushel, shelled, 90c.

Extra Early Huron Dent. Of a bright orange color, has good sized stalk and ear, small red cob, long deep grain, is very rich in oil and starch, and the only smooth, very early Dent Corn we know of. 70 pounds of ears made 63½ pounds of shelled corn, leaving only 6½ pounds for the cobs; from this all can readily judge of the unusually small size of the cobs. Our supply is genuine, strictly pure and carefully selected, and will be sure to please all who give Extra Early Huron a trial. Per bushel, shelled, \$1.00.



Mammoth Red Cob Ensilage.

THE large increase in our home and foreign trade made it imperative for us to introduce into our premises the most modern machinery, which is run by Electric power, and we have now the perfection of appliances for turning out superior samples of Seed Grain, Clovers and Grass Seeds. Increased sales and the complimentary references to the quality of our shipments has been ample compensation for our expenditure in this department ; and our long connection with the best growers in the seed producing districts gives us exceptional advantages in securing the best samples offered.

CLOVER SEEDS.

Few seeds vary so much in quality as Clovers, and it is of the utmost importance to the agriculturist to procure really good seed, clean and free from weeds, and though such samples necessarily command higher prices than secondary qualities, we invariably send out the very best we can procure, unless otherwise ordered. Fine samples, however, sow further, are cheaper, and are the most satisfactory in the end.

Clover Seeds being subject to constant variations, prices will be ruled by the Market. Special prices by the Bushel.

	Per lb.
Common Red. A well-known variety.....	15
Mammoth Red or Pea Vine. Valuable for ploughing under for manure.....	15
Yellow or Trefoil. Valuable for pasture.....	15
White Dutch. Highly esteemed for permanent purposes	25
White Dutch. Extra, selected for lawns.....	30
Lucerne or French Clover. This is an invaluable and certain crop as green food for horses and cattle, and one of the best forage plants for withstanding drought. It should be sown from the middle of April to the middle of May, in drills twelve inches apart, and may be cut three or four times a year. It thrives upon any soil where drainage is good, and as the roots penetrate the soil to a great depth, reaching the moisture, it continues green in the driest weather. Sow 15 or 20 lbs. per acre..	15
Alfalfa or Chilian. Same as preceding.....	15
Bokhara. (<i>Melilotus Alba.</i>) A very vigorous growing variety; blooms early in August ; about two feet high. Sow in spring. The flowers are white and very sweet scented, very valuable for bees.....	15
Alsike. (<i>Trifolium Hybridum.</i>) Excellent for low lands.....	15



Lucerne Clover.



Crimson Clover.

Crimson or Scarlet Clover. (*Trifolium Incarnatum.*) Is an annual. The great mission of **Crimson Clover** is to furnish an abundance of most nutritive forage at seasons when our pastures are dead. It is the source of an unfailing supply of manure—in fact, it solves the problem of cheap manuring ; it is the great nitrogen gatherer and economizer in the use of fertilizers. Improves poor lands and restores to fertility those that have been worn down by excessive cropping. **Crimson Clover** grows at all times except when the ground is frozen. May be planted in spring, summer and fall. Splendid for reseeded Red Clover that has been winter killed. This Clover is extensively grown in the United States, and we give the latest methods adopted there for its cultivation, etc. Sow 12 to 15 lbs. broadcast per acre, cover light. All soils and situations seem to suit it—try it on your poorest. If sown early, it makes superior fall and spring grazing, and afterwards a good crop to mow. It is about 15 days earlier than Red clover, and as a fertilizer, one acre represents as much value as twenty tons of stable manure. Prof. Voorhees, of the New Jersey Experimental Station, says: "One acre of Crimson Clover in bloom will keep ten cows in full flow of milk for twenty days....."

Per lb.

15

GRASS SEEDS.

Greater attention is being given yearly to the improvement of pastures, and it has been found that where a mixture of permanent grasses has been added to Clover and Timothy, which have heretofore been almost the only seeds used, a better heat resisting sod and a richer and more lasting pasturage has been secured, and the result is of the utmost importance in our dry, hot climate. Many of the grasses contained in our list will be found invaluable for this purpose.

PRICES MAY VARY SLIGHTLY AS THE SEASON ADVANCES.

	Per lb.
Agrostis Vulgaris, or Red Top Grass. A valuable native permanent grass, growing in almost any soil, moist or dry, and standing well our hot climate. Sow 2 bushels to the acre ; weight per bushel, 14 lbs.....	\$0 15
Anthoxanthum Odoratum, or Sweet Vernal Grass. For a mixture with pasture grasses it is valuable on account of its vernal growth, and for the fragrant odors which the leaves omit when dry ; sow 35 lbs. to the acre.	40
Festuca Pratensis, or Meadow Fescue. A highly valuable species for permanent grass lands ; it does not, however, attain its full productive power till the second or third year, when it exceeds most other sorts in the quantity of its productive and nutritive matter ; relished by stock both in hay and pasture. Sow 40 lbs. to the acre.....	20
Dactylis Glomerata, or Orchard Grass. A valuable Grass on account of the quality of nutritious feed which it yields, and the rapidity with which it grows after being cut or grazed ; it is well adapted for growing under trees or in orchards. If allowed to stand for hay it has rather a coarse appearance, but if grazed it always has a fresh green hue. Sow 2 bushels to the acre ; weight per bushel, 14 lbs.....	15

GRASS SEEDS—Continued.



Orchard Grass, or Cocksfoot.

	Per lb.
Foxtail Meadow. (<i>Alopecurus Pratensis</i>). One of the best grasses for permanent pastures, possessing the three great requisites of quantity, quality and earliness; it is particularly adapted for moderately stiff clay and heavy soils.	\$0 45
Lolium Italicum, or Italian Rye Grass. One of the most valuable grasses in Europe, being considered the best grass to cut green for soiling, affording repeated large and nutritive crops; we recommend it here for use in pasture mixtures. Sow 3 bushels to the acre; weight per bushel, 18 lbs.	13
Lolium Perenne, or English Rye Grass. One of the staple grasses of Great Britain, entering largely into the composition of most of the richest meadows and pastures. Sow 3 bushels to the acre; weight per bushel, 22 lbs.	10
Phleum Pratensis, or Timothy. A grass so well known needs no description. Sow 15 lbs. per acre.	10
Poa Pratensis, or Kentucky Blue Grass. It thrives on a variety of soils, but does best in dry and somewhat shady locations; very valuable, as it will stand the hottest summers. Sow 3 bushels to the acre; 14 lbs. per bushel.	15
Oat Grass. (<i>Avena Elatior</i> .) Is most valuable for pastures on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late in the season.	30
Sainfoin. (<i>Hedysarum Onobrychis</i> .) A useful fodder plant.	15

When Clover and Grass Seeds are ordered by the bushel, proportionately lower prices will be charged.

Bruce's Mixture of Permanent Grasses and Clover Seeds for laying down Land to Pasture.

When ordering Permanent Grass Seeds it is necessary that our customers should describe the nature and situation of the soil, subsoil, etc., and state whether they are to be sown with or without crop. We invariably send the BEST MIXTURES, unless ordered otherwise.

Our mixtures are composed of the best Clovers and Grasses, and arranged in proper proportion to suit the various soils for which they are intended, our aim having always been to produce a rich and nutritious herbage in the shortest possible time. Quantity per acre, 25 to 30 lbs.

Price per acre.....\$2.50 to \$3.00, according to quality.

Below we give the Ontario School of Agriculture (Guelph) formula of Grasses and Clovers for Permanent Pasture:—

Six lbs. Meadow Fescue, 3 lbs. Timothy, 2 lbs. Canadian Blue Grass, 3 lbs. Orchard Grass, 3 lbs. Red Top Grass, 4 lbs. Lucerne Clover, 1 lb. White Dutch Clover, 1 lb. Alsike Clover, 2 lbs. Red Clover; total, 17 lbs. Grasses and 8 lbs. Clovers, being the quantities required for an acre. Price, \$3.00 for 25 lbs.; per lb. 15c.

Permanent Grasses and Clovers are this season of fine quality. Our supplies are large, and it will pay farmers to write for special prices, always stating quantities required.

Grass Seeds for Garden Lawns, Croquet, Cricket and Lawn Tennis Grounds, Cemeteries, Public Parks and Railway Embankments.

In the first place careful preparation of the ground proposed to be laid down to turf is necessary. This should be commenced in the autumn by draining, if found requisite, and digging to the depth of six or twelve inches, according to the nature of the soil. When this has been done the land should be leveled and made firm with the spade and subsequently raked to remove stones, etc. Should the natural soil be too stony, it will be advisable to secure a supply of good mould and spread this over the land to the depth of two or three inches. If the soil is poor, some well rotted stable dung will be very beneficial; where this cannot be obtained we would advise as the best dressing of artificial manures 200 lbs. of superphosphate of lime. In April, after the ground has been made thoroughly fine and clean, a heavy iron roller should be used to make it perfectly level and as the subsequent appearance of the lawn depends in a great measure on this part of the preparation, we cannot too strongly urge the importance of its being well done. The ground should then be evenly raked and the seed sown. April and September are the best months for sowing.

After the sowing has been accomplished the ground should be again rolled, and as soon as the young plants have attained the height of two or three inches, the whole crop should be carefully gone over with a mower. Frequent mowings and rollings are indispensable to keep the turf in good order. By adopting these means a close, green sward will be obtained in nearly as short time as a Lawn produced by sodding, while it will be far more permanent and at much less expense.

For Lawns requiring improvements it is only necessary to sow fresh seed, either in the spring or autumn, using a small tooth rake, and rolling afterwards. Moss in Lawns is generally a sign of poorness in the soil or want of drainage. To effect its removal we advise, after raking off as much as possible, a top dressing of quick lime, mixed with rich compost, applied late in autumn, and a sowing of more seed in the spring, or a top sowing of soot will, by encouraging the growth of the grass, destroy the moss. This should be applied in the spring time, at the rate of about sixteen bushels per acre.

On croquet or cricket grounds, where the turf has become bare through constant use, we advise a thick sowing of seeds on the bare spots in September, or early in April, rolling subsequently and mowing as soon after as practicable. A light dressing of manure over the whole as a protection during the winter, will be found beneficial in encouraging the growth of finer kinds of grasses and help to produce a close-growing turf. We should not omit to mention that here, as in fine Garden Lawns, mowing alone will not ensure a good bottom without that compression which a roller alone can give.

Bruce's Select Mixture of Grass Seed for Lawns



The large annual increase in our sales of Lawn Grass Seed is the best assurance of its superiority; and the testimony of those who have used it justifies our claim that it is the most perfect mixture in use for Lawns, Croquet, Cricket and Lawn Tennis Grounds. Sow 40 to 60 lbs. per acre. Price per lb. 25c. Special price for large quantities.

OATS.

PRICES QUOTED AT 34 POUNDS PER BUSHEL, EXCEPT WHERE NOTED.
A CHANGE OF SEED ALWAYS PAYS.

IMPORTED SEED OATS—Pure Seed.

- Pedigree Black Tartarian.** The most productive and best black variety in cultivation.
- White Potato.** Very early, the grain plump and heavy.
- “ Hopetoun.** Not quite so early as the Potato, very prolific.

As our previous importations of the above varieties gave such general satisfaction, we have this year again imported from Scotland a limited quantity.

WRITE FOR SAMPLES AND PRICES.

	BusHEL.
Black Tartarian. First year, from imported seed.....	\$0 60
Black Tartarian. Ordinary good stock.....	45
Black Goanette. Very productive, best suited for heavy lands....	50
Giant Swedish. Grows from 4 to 5 feet high, with strong, yellow, bright straw; panicles are of great length and the grains closely set, and enormously productive, many heads having been found containing over 250 grains.....	50
Holstein Prolific. This is a White Oat with large branching open head, grows 4 to 4½ feet high, with fine clean bright straw, panicle close and compact, completely covered with close set grains.....	50
Golden Giant Side Oat. This is an excellent variety, standing from 4 to 5 feet; of a golden color with strong yellow straw, produces abundantly, and being remarkably free from rust, can be depended upon to give profitable returns.....	50
White Australian, New Zealand, or White Russian. This is one of the best White Side Oats....	45
Potato. This is a favorite White Oat; the grain is very plump and heavy; straw stiff and bright.....	45
Triumph, or English White Cluster. A very early sort; straw long and erect; the grain is remarkably heavy.....	45
The Banner. The grain is of medium size, plump and even, and the straw stands up well. We recommend it highly.....	45

SPECIAL LOW PRICES FOR LARGE QUANTITIES.
COTTON BAGS, 20 AND 25 CENTS



Holstein Prolific.

MILLETS.

PRICES ON APPLICATION.

Annual forage plants, valuable for furnishing green fodder and hay in from sixty to ninety days from sowing, producing on good soils an extraordinary yield of excellent forage, highly relished by stock. All varieties should be cut in the blossom. Sow from one-half to three-quarters of a bushel per acre.

Common Millet. (*Panicum Miliaceum*). Very early; height, two to three feet; foliage very broad and very abundant; heads very open, branching panicles; seeds glossy; oval and somewhat flattened.

German or Golden Millet. Medium early; height from three to five feet, heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough bristly sheaths.

Hungarian (Grass) Millet. (*Panicum Miliaceum*). Early; height two or three feet; abundant foliage and slender head; withstands drought and yields well on light soils.

PEAS—Field Varieties.

PRICES ON APPLICATION.

The Mummy. A large and prolific variety; straw strong and erect, bearing the pods in clusters on the crown.

Centennial. A grand Pea; extra large and most productive.

Crown. Pods in clusters on crown or top of stalk; very prolific.

Golden Vine. A standard variety.

Blue Prussian. Very prolific.

Marrowfat, White.

Marrowfat, Black-Eyed.

RAPE.

Largely grown for soiling purposes; it is also excellent food for sheep, and is strongly recommended as a most profitable crop for stock raisers to grow. Sow at the rate of six pounds of seed per acre, and successional sowing, beginning in May, will insure crops from August onward.

Broad-Leaved Essex......Per lb. 10c., in 10 to 25 lb. lots 8c. per lb., in 100 lb. lots \$7.00

FLAX or LINSEED.

For Sowing or Feeding.

Flax Seed Meal.

PRICES ON APPLICATION.

Spring and Fall (re-cleaned).

RYE.

PRICES ON APPLICATION.

SORGHUM.

Early Amber Sugar Cane. Ripens when Indian Corn matures.....Per lb. 15c.

Early Orange Sugar Cane. Ripens about ten days later than preceding.....“ 15c.

SUNFLOWER.

Common.....Per pkt. 5c., per $\frac{1}{4}$ lb. 10c., per lb. 15c.

Large Russian.....“ 5c., “ 10c., “ 15c.

TARES.

Spring, Black, at lowest market rates.

TOBACCO SEED.

Connecticut Seed Leaf.....Per pkt. 5c., per oz. 40c.

SPRING WHEAT.

Manitoba Red Fife. A well-known and popular bald variety.

Rio Grande. A well-known variety, and very popular in some localities.

White Russian. A bald, smooth head; grain amber color.

Manitoba Spring. A variety introduced some years ago from Manitoba; head bearded; grain large and plump.

Lost Nation. Bald head; white chaff and golden colored grain.

Wild Goose. A most productive variety; head bearded with white chaff, straw very stiff, grain very hard and flinty; midge proof.

PRICES OF THE ABOVE VARY WITH THE MARKET.

FALL WHEAT.

American Bronze.

Jones' Winter Fife.

Early Red Clawson.

Early White Leader.

New Long Amber.

Pride of Genesee.

Genesee Giant.

Dawson's Golden Chaff.

Surprise.

Seneca, or Clawson.

Mediterranean Hybrid.

OUR FALL WHEAT CIRCULAR, WHICH WE PUBLISH IN AUGUST, WILL CONTAIN A LIST OF THE BEST VARIETIES OF RECENT INTRODUCTION AND WILL BE MAILED TO ALL APPLICANTS.

FLOWER SEEDS.

A FEW BRIEF PRACTICAL DIRECTIONS ON THEIR MANAGEMENT.



To be successful in the raising of plants from seeds requires much greater care than is commonly exercised, and many packets of valuable seed are annually destroyed for the want of a little skill and forethought. Inattention to, or want of skill in watering, is undoubtedly the main source of failure, *a single hour of a dry surface at certain stages of germination being sufficient in many cases to destroy life.* Amateurs especially are reminded that there can be no fixed time for watering; *the surface of the soil must never be allowed to become quite dry, neither must it at an any time be decidedly wet,* and to maintain this intermediate state is one of the essential conditions of success.

FLOWERING PLANTS ARE USUALLY DIVIDED
INTO THE FOLLOWING SECTIONS.

ANNUALS, BIENNIALS, PERENNIALS.

Annuals. Plants which require to be sown annually, as they live and bloom only one season.

Biennials. Plants which do not bloom until the second season after sowing, remain a certain time in perfection and then die. They are produced from seed, and some of the finest varieties are continued by cuttings.

Perennials. Plants which continue to grow and bloom annually.

Some annuals are called *hardy, half-hardy, tender.* Hardy annuals will grow and blossom in the border without any artificial heat or protection, and may be sown during the months of May and June. The soil should be well prepared and neatly levelled, and the seed sown either in small patches each kind by itself, or in drills. In about a month, more or less, many of them will be fit to transplant, which should always be performed in cloudy or rainy weather.

Half-hardy annuals are applied to those annuals which, although they will flower freely in the open ground, require artificial heat to assist germination, and protection from atmospheric changes during the earlier stages of their growth. Many of them are of great beauty and interest, and derive an additional value from flowering after most of the hardy annuals are out of bloom.

Tender annuals require the aid of a green-house or conservatory to bring them to perfection. The seeds are generally sown in March, placing them in a warm part of the green-house or plunging them into a moderate hot-bed, carefully protecting them from cold, shading them from the sun and watering them with a fine rose watering pot.

Biennials and Perennials may be sown at the same time as Annuals of the same degree of hardiness and treated similarly, except such of the hardy kinds as do not bloom the first year. These last may be thinned out or removed from the seed beds as soon as they are well rooted, and planted either in different parts of the garden, or into a nursery bed, in rows a foot or more apart. Some Biennials and Perennials may be sown in September, or as soon as the seeds are ripe, and if the plants get strong enough before the setting in of winter, most of them will flower the next summer.

On the Preparation and Management of a Hot-Bed for Raising Seedlings.

"Sow in heat, sow in hot-beds," are the directions so commonly found in the notices of half-hardy annuals, that we feel that we shall be materially aiding those who are their own gardeners if we give a few simple directions on the subject of hot-beds composed of stable manure, the most frequent and useful form in which it is to be found.

The preparation of the dung is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time, it should be well worked previous to being used. If obtained fresh from the stable yard, and found to be dry, it should be well watered and thrown lightly together to ferment. This will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littery portion to the interior of the heap; a second watering and turning may be necessary, although one will be generally sufficient. When thus cleansed of its rankness the bed may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible, and fully exposed to the sun; it should be built from two feet six inches to four feet high, and wider by six inches every way than the frame to be placed upon it. The dung should be well shaken and mixed up while being put together, and firmly pressed with the foot. The frame should be kept closed until the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed. In a few days it will be ready for use; but air should be given night and day while there is any danger of the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

Floral Collections by Mail—Postage Paid.

The following assortments are more especially adapted for culture by the amateur, and are composed of such varieties which with ordinary care will give a wealth of bloom during the summer and fall months. To induce those who so far have never made a trial of raising flowers from seed, we have priced these special collections much below regular rates.

COLLECTION A

Comprises Mignonette, Sweet Peas, Nasturtiums, Asters, Candytuft, Scabious, Balsams, Morning Glory, Calliopsis, Poppy, Portulaca, Sweet Alyssum; 12 choice varieties, 40 cents.

COLLECTION B

Comprises Camellia Balsam, Corn Flower, Clarkia, China Pink, Eschscholtzia, Double Sunflower, Marvel of Peru, Mignonette, Sweet Peas, Nasturtium, Pansy, Poppy, Phlox Drummondii, Asters; 14 extra choice varieties, 60 cents.

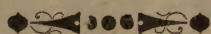
COLLECTION C

Comprises Truffaut's Aster, Camellia Balsam, Snapdragon, Carnation, Pansy, Nasturtium, Mignonette, Sweet Peas, Phlox Drummondii, Petunia, Zinnia Elegans, Verbenas, Ten Week Stocks, Scabious, Salpiglossis, Chrysanthemums; 16 extra selected varieties, 75 cents.

COLLECTION D

Comprises the leading novelties of the season—Sweet Pea Cupid, Comet Aster The Bride, Dianthus Salmon Queen, Double Morning Glory, Polyantha Rosa or Liliput Roses, Liliput Nasturtium, and Petunia Giants of California; 7 of the choicest varieties, \$1.00.

BRUCE'S FLORAL NOVELTIES FOR 1896



THE DESCRIPTIONS GIVEN ARE THOSE OF THE RAISERS.



Aster Giant Comet, The Bride.

ASTER, LADY IN WHITE.

Two features distinguish this Aster at the first glance from all others existing, a hitherto unapproached freedom of flowering and a perfectly distinct foliage, which is of a long and very narrow shape, and a striking light green color. These two qualities combined give to the plants an extremely graceful appearance and relieve them of that stiffness common to most other classes of Aster. The flowers are elegantly borne on very slender stalks and have exactly the same graceful semi-globular form as the Mignon. It flowers early and continues, gradually developing its flowers, until very late in the autumn. The Lady in White will doubtless attain a wide popularity, as it is of inestimable value for bedding, for pots and especially as a cut flower. Per pkt. 25c.

ASTER, PRINCESS ROSALIND.

It is the first colored variety of the well-known Snowball Aster, now such a favourite with all lovers of this popular flower. It has the same habit, the same round, short-petalled Liliput Dahlia-like flowers, is just as floriferous and continues as long in bloom as the Snowball. The blossoms being of a most charming bright rose color, the whole plant possesses a beauty and elegance which few other Asters can rival. Per pkt. 25c.

ASTER GIANT COMET, THE BRIDE.

White, changing to rose, is the nearest description one can give of this very lovely coloring, the flowers being firstly pure white, then white changing to rose and finally of a beautiful rose tint. It is the same variation of shades already seen in the Victoria and Mignon sections and which lends to the plant such a peculiar charm. I need hardly say that this color is most effective on the Giant Comet Aster, with its long wavy petals like those of the Japanese Chrysanthemum. Per pkt. 35c.

LATE BLOOMING BRANCHING ASTER.

The term "branching" as applied to this Aster is particularly appropriate, as it fitly describes the habit of the plant, throwing out its branches so numerous as to make it a marked feature. The branching habit is accompanied with a great vigor of growth and profusion of bloom, and in planting ample room should be allowed for development. The flowers, which are of extraordinary size, are exceedingly graceful and handsome, and are borne erect on very long stems, which gives them additional value for arranging in vases, or for working into pieces. The broad wavy petals are gracefully curled or twisted so as to resemble greatly some of the handsomest varieties of the Japanese Chrysanthemums. The time of bloom of the branching Aster is later than all other varieties of the Aster tribe, and this gives the plant special value, for its flowers are produced at a time when there are comparatively few, either of annuals or perennials, still in bloom in the garden, thus lengthening out the flower season in a most satisfactory manner. Pure white, per pkt., 15c.; in choice mixture of white, pink, lavender and crimson, per pkt., 15c.

Cobæa Macrostemma. A magnificent new variety from San Salvador. Its flowers are large, open, and much more showy than those of the old variety, and are exceedingly striking on account of the length of their stamens. The foliage is pale green, and the plant grows very rapidly; one of the most effective climbers for the greenhouse and equally beautiful out of doors. Plants started early and grown on, will flower admirably during summer, and before fall will attain a height of 12 feet. Pkt. 20c.



Aster, Princess Rosalind.

FLORAL NOVELTIES—Continued.

CUPID.

The New Dwarf Sweet Pea, unlike all others, grows only five inches high. This little wonder originated as a sport in 1893, with Mr. C. E. Morse, of Santa Clara, California. Besides having excited universal admiration from all who have seen it growing in America it has won the highest possible honors in Europe. An Award of Merit from the Royal Horticultural Society of England and a first-class Certificate from the National Horticultural Society of France.

Cupid excites wonder wherever seen—such a Sweet Pea, yet in habit so unlike a Sweet Pea! It is true that its stems are short, but it has all the fragrance of the most favored Eckfords.

The flowers are the size of the *Emily Henderson*, but with more substance in the petals of both wings and standards than any other Sweet Pea. It bears two and three blossoms on the end of each stem—all opening about the same time, so that it is unnecessary to pick a stem with a bud and an open blossom.

Fancy a solid area of deep green—just as green as Cypress—a carpet of plants only five inches high, spreading out from the roots so as to meet when the seed is planted two feet apart in rows; then fancy this carpet of deep, living green springing into blossom in one week, all a mass of white—clear waxy white;—Sweet Peas on stems only four inches long and a hundred on a plant; all white, like a mass of snow. Indeed, so strongly contrasted with the deep green foliage that the purity of the whiteness of **Cupid's** flowers seem even whiter than snow itself!

Cupid grown in a twelve-inch pot just fills the top; with its blooms of glistening whiteness it is wonderfully attractive in the house, the public hall, or the conservatory. In the garden it will be used chiefly as a border plant, for it will bear trimming to just the proper shape. The foliage alone is pretty enough for any border, but this is forgotten when **CUPID** bursts into a mass of snow-white blossoms, not unlike a very dwarf hedge covered with snow.

There is no plant that can stand in successful competition with CUPID for the border.

Nothing could be more novel or more truly beautiful for florists' work.

PRICES—Regular size pkts. 25c, 5 pkts. for \$1.00. In half size pkts. 15c, 2 pkts. for 25c.

Eckford's New White Sweet Pea, Blanche Burpee.

A white-seeded, pure white of exquisite form and immense size, having a bold, rigid, upright, shell-shaped standard of great substance; is a wonderfully profuse bloomer, and absolutely free from the objectionable notch so conspicuous in *Queen of England* and *Emily Henderson*. It usually bears three flowers on a stem; a very chaste variety, and by far the finest Sweet Pea ever produced. Per pkt. 10c.

NASTURTIUM LILIPUT.

(*Tropaeolum Lobbianum compactum.*)

An entirely new class of Dwarf Nasturtiums and one which deserves the greatest attention. The plant is in every respect smaller than the *Tom Thumb*, and the dainty little flowers, produced in the greatest profusion and jauntily peering up well above the small-cut and bushy foliage, make it one of the prettiest annuals imaginable.

The blossoms appear in the most various and showy colors, and it is especially note-worthy that some quite new shades appear among them, such as are not represented in the old class. This feature and the further one that the seed is much smaller than in the *Tom Thumb* Nasturtiums, and similar to that of the *Lobbianum* section, are the best evidences that we have here to do with an entirely new break in the *Tropaeolum* family. Excellent for groups and borders. Per pkt. 35c.



New Dwarf Sweet Pea Cupid.



Nasturtium Liliput.

FLORAL NOVELTIES—Continued.

MIGNONETTE, GOLDEN MACHET.

This splendid new Mignonette first made its appearance five years ago in the grounds of one of my special growers, who has at last succeeded in fixing the variety, so as to obtain it true from seed. All the excellences peculiar to the justly popular Machet Mignonette, recognized by every raiser as the best for forcing and pot culture, are possessed also by this new variety. The plants are of strong compact habit, with the large crinkled leaves peculiar to the Machet, and bear long massive spikes crowded with golden yellow blossoms, of which the annexed cut gives a fair representation. This novelty is as valuable as it is distinct, and cannot fail to attain a great popularity. Per pkt. 35c.

HYBRIDIZED GLADIOLUS SEED.

Mr. H. H. Groff, the raiser, says: "My Hybridized Seed, the first offered in America, is grown from the few largest flowers on the spike, selected for their individual merit from the choice stock of my large collection, containing only a few of each variety, thus affording the greatest possible diversity. This quality and variety will be rapidly increased, so that by growing stock from my seed, and selecting those varieties suited to the individual taste, a choice collection may be obtained at small cost." Mixed Gandavensis, Lemoine and Childs (cultural instructions on packet), 25c.

DOUBLE FLOWERING MORNING GLORY.

This is the first Double Flowering Morning Glory to be introduced, and we have no doubt that the many admirers of the single flowering sorts will readily give a place to this new variety. The vines make as rapid growth and dense foliage as the single varieties. Flowers are white with a spot of red or blue at the base of the larger petals. About



Golden Machet Mignonette.

80 per cent. of the seedlings come true from seed. We are sure the number of hardy climbing annuals is not so great that this new Double Morning Glory will not gain a prominent position. Price per packet, 10 cents.

DIANTHUS LACINIATUS, SALMON QUEEN.

This new variety represents a beautiful acquisition to the annual pinks. Its flowers are of a very distinct and perfectly new tint in this class. They are of the most brilliant salmon color imaginable, changing into a salmony rose when fading. That this variety is distinct from all others is easily proved by the seeds, which are white or yellowish white, while those of all other annual pinks are dark brown or black. The flowers are well formed and nicely fringed; the plants attain a height of ten to twelve inches, like the other varieties of Dianthus Heddewigi. Seventy-five to eighty per cent. of the seedlings will come true from seed. Price, per packet, 15c.



Rosa Multiflora.

**Bruce's
Royal Nosegay
of
Sweet Peas.**

See illustration on
back of Catalogue.



Double Morning Glory.

LILIPUT ROSES.**ROSA MULTIFLORA NANA.**

This new dwarf Polyanthus Rose flowers the first season from seed sown in the open ground, and if started early in frames, or in boxes indoors, and transplanted to the outside like Asters, the plants will be in full bloom as early as July, and they will continue flowering in extraordinary profusion until late in the fall. The large double flowers are of perfect form, and are produced in every color exhibited by other roses. The plants grow only about fifteen inches high, forming very neat, compact bushes about three feet in circumference. They are suitable for growing in pots or vases, as well as for massing in groups and for borders. Per pkt., 10c.

Petunia Giants of California. See page 55. Per pkt. 20
Primula. Large flowering fringed Primroses of immense size,
and including many new shades of color. Per pkt. 50

BRUGES'S SELECTED FLOWER SEEDS

ARRANGED IN ALPHABETICAL ORDER.

All Flower Seeds Sent Free by Mail at Catalogue Prices.

LIBERAL DISCOUNT ON FLOWER SEEDS IN PACKETS.	ALL WHO REMIT	\$3.00 may select to the value of \$3.75.
	\$1.00, may select to the value of \$1.20.	\$4.00, " " " " \$5.00.
	\$2.00, " " " " \$2.45.	\$5.00, " " " " \$6.25.



Abronia Umbellata.

ABRONIA.

Per pkt.

A pretty creeping plant, with verbena-like heads of sweet-scented flowers. *Hardy Annual.*

- Arenaria.** Lemon-Yellow, very pretty..... 5
Umbellata. Grandiflora, delicate Rose..... 5

ABUTILON.

Large well shaped flowers. Red, White, Rose, Orange, etc. Richly veined, suitable for house in winter and garden in summer. Rapid growing, *half-hardy shrubs.* Easily raised from seed. Finest mixed hybrids 15

ACACIA.

Elegant and highly ornamental plants for the greenhouse, conservatory or drawing-room. *Greenhouse shrubs.*
 Finest mixed..... 10

ACHIMENES.

A class of handsome plants, combining great beauty with rich and brilliant colors, succeeding well in a warm greenhouse; finest mixed varieties. 3 ft. *Greenhouse bulb*..... 25

ACONITUM.

Monkshood. A free-blooming plant of easy culture; flowers blue and white; 3 ft. *Hardy perennials.* 5

ACROCLINIUM.

A beautiful class of everlasting flowers, much used for winter bouquets. *Half-hardy annuals.*
Album single. Pure white, 1 ft..... 5
Album flore pleno. Double white..... 10
Roseum single. Light rose, 1 ft..... 5
Roseum flore pleno. Double rose..... 10

ADONIS.

Per pkt.

Adonis Aestivals, (Flos Adonis.) A showy hardy annual of easy culture; deep crimson; 1 ft..... 5



Ageratum Mexicanum.

AGERATUM.

Very valuable and showy bedding plants; if lifted in fall and placed in the parlor or greenhouse, will keep up a succession of flowers during the winter. *Annuals.*

- Mexicanum** (common blue). Blue..... 5
Little Dorrit. Azure blue, very floriferous..... 10
Little Dorrit. White, extra fine..... 10
Conspicuum. White, fine for cutting. *Tender perennial* 10

AGROSTEMMA.

- Rose Champion.** Free blooming and pretty.
Coronaria. *Hardy perennial*..... 5
Cœli Rosa. Rose of Heaven. Rose, 1 ft. *Hardy Annual.*..... 5

ALONSOA.

Per pkt.

Free blooming bedding plants, continuing in bloom from June until cut off by frost. *Half hardy annuals.*

- Warcewiczii.** Bright scarlet; 2 ft..... 5

ALYSSUM.

Per pkt.

Free flowering, useful, pretty little plants for beds, edgings and rock work, blooming all summer; they also succeed well in the greenhouse for winter and early spring flowers, and are much used in bouquets because of their delicate fragrance.

Maritimum, Sweet Alyssum.	<i>Hardy annual.</i>	$\frac{1}{2}$ ft.	5
Compactum	White, fine for edgings.	<i>Annual.</i>	5
Saxatile.	Showy Yellow.	<i>Hardy perennial.</i>	1 ft. 5
Saxatile Compactum.	Yellow.	<i>Hardy perennial.</i>	$\frac{1}{2}$ ft. 5

AMARANTHUS.

Ornamental foliage plants of an extremely graceful and interesting character, producing a striking effect whether grown for the conservatory or flower garden. *Hardy annual.*

Abyssinicus.	Blackish purple; 3 ft.	5
Caudatus.	Love Lies Bleeding; showy; 2 ft.	5
Cruentus.	Princes' Feather; scarlet; 3 ft.	5
Melancholicus Ruber.	Crimson foliage; 2 ft.	5
Tricolor.	Joseph's Coat; very pretty; 2 ft.	5
Tricolor Splendens.	Extra fine; 3 ft.	10
Salicifolius.	Long, narrow leaves; 3 ft.	5

AMPELOPSIS VEITCHII.

Japanese Ivy This beautiful climber, generally known as Boston Ivy, is especially adapted for covering brick or stone buildings. *Hardy perennial.* 10

ANAGALLIS.

Per pkt.

Pimpernel. Valuable for bedding plants; they succeed best in light, rich soil, and delight in a sunny situation; each plant covers itself with a mass of blossoms. *Half-hardy annual.*

Extra fine, mixed; 2 ft. 5

ANTIRRHINUM.

Snap Dragon. The flowers are commonly known under the name of Snap Dragon; all the varieties will bloom early out of doors the same season if sown under glass in March, and protected a little at first. The seed we offer is from one of the finest collections in England. *Half-hardy perennial.*

Tom Thumb.	Finest mixed, $\frac{3}{4}$ ft.	5
Tall.	Finest mixed. 2 ft.	5

AQUILEGIA OR COLUMBINE.

An extremely showy genus of early summer blooming plants, their flowers being both in form and color beautiful. *Hardy perennials.*

Single.	Finest mixed; 2 feet.	10
Double.	" " "	10

ARGEMONE.

Showy, free flowering border plants, with large poppy flowers. *Hardy annuals.*

Fine mixed. 5



The Aster is not only one of the most popular, but also one of the most effective of our garden favorites, producing in profusion flowers in which richness and variety of color is combined with the most beautiful and perfect form. In our flower beds and mixed borders it occupies a deservedly prominent position. All the varieties delight in a rich deep soil, and in hot, dry weather should be mulched with well rotted manure, and frequently watered. *Hardy annuals.*

NEW VARIETIES.

Giant Comet, The Bride.	See Novelties, page 37
Princess Rosalind.	" " " 37
Lady in White.	" " " 37
Branching Asters.	" " " 37

Per pkt.

Boltzes Dwarf Bouquet. A charming free-blooming class, of compact habit, 8 to 10 inches.

COLLECTION OF SIX SEPARATE COLORS.	30
Choice mixed, all colors.	10

All Gardens require a Reliable SPRAY PUMP.
See page 70.

Per pkt.

Dwarf Victoria. Admirably adapted for bedding and also for florists' use; 9 to 12 inches.

Light Blue.	10
Crimson.	10
Peach Blossom.	10
Pure White.	10
Choice mixed, all colors.	10

Large Flowered Victoria. A magnificent race of Asters; flowers are large, globular and double; plants pyramidal, bearing from 10 to 12 blooms at one time; 18 to 20 inches.

COLLECTION OF TWELVE SEPARATE COLORS.	75
" " " " " " " " " " " "	40
Choice mixed, all colors.	10

Truffant's Paony-flowered. One of the most perfect and popular of all Asters, the flowers being very double, large and handsome, petals incurved; height, 18 to 24 inches.

COLLECTION OF TWELVE SEPARATE COLORS.	75
" " " " " " " " " " " "	40
Snow White.	10
Bright Rose.	10
Choice mixed, all colors.	10

ASTERS—Continued.



Dwarf Chrysanthemum Aster.

Per pkt.

Dwarf Chrysanthemum-flowered. Flowers very large and double, resembling chrysanthemums. Valuable on account of profuse late blooming; 9 to 12 inches.

COLLECTION OF SIX SEPARATE COLORS..... 40

Pure white, extra fine..... 10

Choice mixed, all colors..... 10

Dwarf Pæony Perfection. A handsome variety; flowers large, of fine form and perfectly double; petals beautifully incurved. 12 to 14 inches.

Pure white, very chaste..... 10

Queen of the Market. An extra early variety of graceful spreading habit. Valuable for cutting..... 10

Queen of the Earlies. This new variety resembles somewhat the Queen of the Market, but flowers from TWO TO THREE WEEKS EARLIER, making it decidedly the earliest of all Asters. Of low, dwarf growth, it is sure to prove valuable for pot culture as well as for cutting purposes. The double flowers of good size are pure white in color, borne upon long stems..... 15

Mignon. The plants of this popular favorite, which are semi-dwarf, when well grown bear 40 to 50 beautifully shaped very double flowers, with deeply imbricated petals, which are unsurpassed for cutting and floral work; exceedingly attractive in the flower garden; they are also well adapted for pot culture. Mixed colors, including white, rose, peach blossom, lilac and red..... 15

Pure white, fine for florists' work..... 10

White, changing to rose..... 15

White, changing to lilac..... 15

Snowball, or Princess. In form semi-spherical; composed of short, thickly set, imbricated petals. A handsome variety. Pure white..... 15

Ball, or Jewel. A magnificent and distinct class of Aster, with ball-like flowers incurved like a double Chrysanthemum..... 10

Crimson..... 10

Choice mixed..... 10

Triumph. A distinct variety, forming compact plants from 8 to 10 inches high. The flowers are large and of rare beauty, the petals being beautifully incurved.

Dark scarlet..... 10

Scarlet and white..... 10

Choice mixed..... 10

Crown, or Cocardeau. A very showy variety; flowers double, with a white centre surrounded with petals of a distinct bright color. 18 to 20 inches.

Choice mixed..... 10

Washington. An extra large flowering aster; one of the best for exhibition purposes.

Choice mixed, all colors..... 10

New Giant, The Bide. see Novelties, page 37.

German Quilled—Betteridges. Very pretty double flowers, rather stiff in appearance; 24 to 30 inches.

COLLECTION OF TWELVE SEPARATE COLORS..... 50

Choice mixed, all colors..... 5

China Aster. Choice mixed..... 5

ASTERS—Continued.



Comet Aster.

Per pkt.

Comet Asters. Charming and distinct; are large and double, resembling in the shape and artistically curved and twisted petals the finest Chinese Chrysanthemums; 12 to 15 inches.

Pure white, extra fine..... 25

Finest mixed..... 10

AURICULA.

A well-known garden variety of great beauty, succeeding best in northern aspect. *Half-hardy perennial.*

New Belgian. Flowers large, very distinct..... 25

Choicest mixed..... 10



Balsam, Striped.

Per pkt.

DOUBLE BALSAMS.

Well-known and deservedly popular plants, producing flowers in wonderful profusion, resembling the Camellia in form, and often fully as double. *Half-hardy annual.*

White, Rose and Crimson. Each..... 10

Solferino. Spotted and striped..... 10

Extra choice mixed..... 10

Fine mixed..... 5

IMPORTED COLLECTIONS.

Camellia. Flowered; six distinct colors..... 50

Rose. Flowered; six distinct colors..... 40

Spotted and Striped. Six distinct colors..... 40

BALLOON VINE.

Cardiospermum Halicacabum. A genus of rapid growing climbers, remarkable for an inflated baloon-shaped seed capsule which it bears in clusters; 6 to 8 feet. *Annual*..... Per pkt. 5

BARTONIA AUREA.

Very showy, golden yellow; $\frac{1}{2}$ foot. *Hardy annual*..... 5



Bellis or Daisy.

BELLIS PERENNIS.

Double Daisy, a well-known and favorite plant for the border or pot culture. *Half-hardy perennials*.

	Per pkt.
Snowball. Extra large and very double, pure white flowers.....	20
Longfellow. Double Red.....	10
Double White. Extra fine.....	10
Choicest Mixed	10



Double Begonia.

BEGONIAS.

Tuberous-rooted; new hybrids. These splendid varieties produce handsome plants from 12 to 18 inches high, covered the whole summer, until frost sets in, with

BEGONIAS—Continued.

bright and elegant flowers of almost every shade of color; when well grown, the flowers of some varieties attain an extraordinary size, being frequently six inches in diameter.

Single varieties, finest mixed..... 25

Double varieties, finest mixed..... 25

International Prize. This is an unrivalled strain, the seed having been saved only from the best selected blooms of new French, English and German varieties, whose superiority as regards form, size and color, has been abundantly proved..... 40

BRACHYCOME.

Swan River Daisy. Dwarf, free flowering plants; covered all summer with a profusion of Cineraria-like flowers; very effective in edgings, rustic baskets or for pot culture. *Half-hardy annuals*.

Ibridifolia. Fine mixed, $\frac{1}{2}$ ft..... 10

BROWALLIA.

Profuse blooming plants, covered with rich, strikingly beautiful flowers, during the summer and autumn months.

Elata Cœrulea. Sky blue, beautiful; 1 ft..... 5

Elata Alba. White; 1 ft..... 5

CACALIA COCCINEA.

Tassel Flower. A beautiful and profuse flowering class of plants, with tassel-shaped flowers; fine for mixed borders. *Half-hardy annuals*..... 5

CALANDRINIA.

Very beautiful creeping plants, admirably adapted for planting in rock work.

Grandiflora Rose. 1 ft..... 5

Umbellata. A rich, rosy violet..... 10

CALCEOLARIA.

Plants of highly decorative character, indispensable for the ornamentation of the greenhouse and garden. *C. hybrida* is grown for indoor decorations; while *C. rugosa*, a shrubby variety, is sometimes grown for indoors and sometimes for out-door decorations. *Half-hardy perennials*.

Hybrida. Finest mixed, from prize flowers; 2 ft..... 25

James' International Prize. Unequalled for size and brilliancy of color; 2 ft..... 50

Rugosa. Mixed, valuable for bedding; 1 ft..... 25

Scabiosæfolia. Yellow; 2 ft. *Half-hardy annual*.. 10

CALENDULA.

Pot or Garden Marigold. Remarkably profuse blooming plants; their easy culture and continuous bloom make them valuable for the garden or pot culture. *Hardy annual*.

Sulphur Gown. Light Lemon Yellow; a splendid large flowered variety..... 5

Me-eor. Large double yellow flowers, striped with orange..... 5

Prince of Orange. Beautiful deep orange, a gem... 5

CALLIOPSIS, or COREOPSIS.

This genus is one of the most striking of all annuals, the tall varieties being very effective in mixed borders; while the dwarf from their compact habit, are well adapted for beds, the colors all being strikingly beautiful. *Hardy annuals*.

Drummondii. Orange yellow..... 5

Nigra Speciosa. Rich crimson; 1 ft..... 5

Tinctoria. Crimson brown, tipped yellow; 2 ft..... 5

Fine Mixed..... 5

CALLIOPSIS—Continued.



HARDY PERENNIAL VARIETY.

Harvest Moon (*Coreopsis Grandiflora*). A perfectly hardy free blooming plant ; flowers are large, about 4 inches across, of a deep golden yellow ; unequalled for cutting..... Per pkt. 10



Canterbury Bells.

CAMPANULA.

Canterbury Bell. Well-known favorites ; bearing large bell and saucer-shaped flowers ; well adapted for borders and pot culture. *Half-hardy biennials.*

Single Blue.....	5
" Mixed.....	5
Double Blue.....	5
" Mixed.....	5
Single and Double. All colors ; superb mixture....	10

CAMPANULA—Continued.

Pyramidalis. A grand sort, known as the Pyramidal Bell Flower. *Hardy perennial.*

Finest mixed blue and white ; 4 feet.....	5
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CANARY BIRD FLOWER.

Tropæolum Bright fringed, yellow creeper ; very ornamental ; a general favorite ; 10 ft. *Half-hardy annual.*..... 10

CANDYTUFT.

One of the most useful of border annuals ; very effective in beds, groups, etc. Also very useful for pot culture for conservatory decorations during the winter. *Hardy annual.*

White.....	5
White Fragrant.....	5
White Rocket.....	5
Purple or Lilac.....	5
Crimson.....	5
Flesh Color.....	5
Fine mixed.....	5

Empress. A splendid white variety. The plant is of very branching habit, and when fully grown and covered with its large trusses of pure white flowers it presents a perfect pyramid of bloom throughout the summer..... 10

Tom Thumb Candytuft. Bushy little plants 4 to 6 inches high ; very effective for small beds and edgings. Finest mixed..... 10

CARNATION.

A magnificent class of popular favorites, most of which are deliciously fragrant, with colors extremely rich and beautiful. The seeds we offer are from one of the finest collections in Europe, and will produce many double flowers, and among them many choice novelties. Grow in light, rich soil. *Half-hardy perennials.*



Marguerite Carnation.

Popular Collection of Flower Seeds. See page 36.

Bruce's Royal Nosegay of Sweet Peas. See colored plate on back of Catalogue.

CARNATION—*Continued.*

Per pkt.

- Marguerite New White.** Although only of recent introduction, the Marguerite Carnations have become a most important factor with every gardener and florist. The flowers are sweet scented; seedlings begin blooming the fourth month from time of coming up, 80 per cent. of the flowers being double..... 25
- Marguerite.** Choicest mixed..... 20
- New Perpetual Riviera Market.** This is the finest of all strains of Perpetual Carnations, and is nearly as rapid growth as the Marguerite class; the seed produces over 90 per cent. of splendid double flowers, with a large percentage of yellow..... 25
- Grenadin.** An extra early and very hardy variety with brilliant double scarlet flowers.... 25
- Grenadin.** Pure white, extra fine..... 25
- Carnations and Picotees.** Collection of 6 varieties. 75
Finest mixed, all colors..... 25
- Perpetual or Tree.** Fine for winter blooming, choice mixed..... 25
- Carnation.** Fine mixed, excellent for cutting..... 10

CANNA.

This genus, from its stately growth, combined with its rich and varied flowers and picturesque foliage, is one of the most strikingly effective of our ornamental plants, either for conservatory or flower garden. The seed should be steeped for a few hours in hot water before sowing. The roots may be taken up and preserved like Dahlias. *Half-hardy perennials.*

- Crozy's New Dwarf Hybrids.** Splendid large flowering, with broad leaves, finest mixed..... 10
- Dark leaved varieties, finest mixed..... 10

CASTOR OIL BEANS.

- Ricinus.** The picturesque foliage and stately growth, combined with the giant varieties, impart to select plantations, shrubbery and mixed flower borders, quite an Oriental aspect. *Half-hardy annuals.*
Fine mixed; 4 ft..... 5
- Zanzibaricus.** A new Castor Oil plant, far exceeding in size the much admired older kinds. The foliage is of the usual palmate character, produced in great luxuriance and of gigantic proportions, measuring 2 to 2½ feet in diameter; the coloring varies from a light green to a dark coppery bronze and brownish purple..... 10
- Borboniensis Arboreus.** Of noble aspect; 15 ft.... 10
- Duchess of Edinburgh.** Dark purple stem and leaves; 5 ft..... 10
- Cambodgensis.** The finest dark foliage variety, strikingly beautifully..... 15

CATCHFLY.

- Silene Armeria.** Free flowering, showy hardy annuals, for beds or borders. Fine mixed..... 5

CELOSIA.

See Cockscomb.

CENTAUREA.

The silvery foliaged Centaureas are amongst our most beautiful and valuable bedding plants. Should be started early in gentle heat. *Half-hardy perennial.*

- Candidissima.** Silvery leaves, very dwarf; 9 inches. 25
- Gymnocarpa.** Very graceful silver foliage; excellent decorative bedding plant; 12 to 18 inches..... 25

CENTAUREA—*Continued.*

Corn Flower.

Per pkt.

- Centaurea Cyanus** (Cornflower). A valuable hardy annual for borders; flowers most suitable for bouquets; 2 ft. Fine mixed..... 5
- Cyanus, Emperor William.** A splendid variety... 5
- “ **Victoria** (Minature Cornflower). A charming new variety for pots and edgings.... 10
- “ **Moschato.** Sweet Sultan. Finest mixed.. 5

CENTRANTHUS.

Compact growing plants, very effective in beds or as an edging. *Hardy annuals*; 1½ ft.

- Red, Rose and White, mixed**..... 5

CENTROSEMA GRANDIFLORA.

A hardy perennial of exquisite beauty. It bears a profusion of inverted pea-shaped flowers; the colors range from rosy violet to a reddish purple, with a white marking through the centre..... 10

CERASTIUM TOMENTOSUM.

“Snow in Summer.” Silver leaved hardy perennial trailing plants, large white flowers; ½ ft..... 10



Chrysanthemums, Single Annual Varieties. (See p. 46).

CHRYSANTHEMUMS.

Very showy and effective border plants, succeeding well in rich garden soil. *Hardy annual.*

SINGLE ANNUAL VARIETIES.

	Per pkt.
The Sultan. Crimson maroon.....	5
Burridgeanum. White, rose and yellow.....	5
W. E. Gladstone. Rich crimson.....	5
Eclipse. Golden yellow, Scarlet ring, brown centre. .	5
Fine Mixed	5

DOUBLE ANNUAL VARIETIES.

White	5
Golden Yellow	5
Sulphur Yellow	5
Fine Mixed	5

SINGLE PERENNIAL VARIETIES.

Marguerites, or Paris Daisies. Largely grown for cut flowers. They flower all summer in the garden, and make elegant pot plants for winter bloom.	
Frutescens. White.....	10
Comtesse de Chambord. Yellow; fine.....	10

**DOUBLE PERENNIAL VARIETIES.**

	Per pkt.
Indicum Grandiflorum. Finest mixed.....	25
“ Double Pompon. Finest mixed.....	25
Japonicum Japanese Varieties. Finest mixed.....	25

CHELONE.

A beautiful, hardy, herbaceous plant, with showy flowers; very effective in beds or groups. *Hardy perennial.*

Barbata. Hybrida; fine mixed; 5 ft.....	5
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CHINESE PRIMROSE.

See Primula.

CINERARIA.

A well-known green-house favorite; from the richness and diversity of its colors is one of the most valuable of our early spring flowers; succeeds best in light, rich, free and open soil. *Green-house perennial.*

CINERARIA—Continued.

	Per pkt.
Hybrida Grandiflora. Finest large flowering varieties; splendid mixed.....	25
Bruce's Prize. The flowers possess extraordinary substance, and are of immense size under good cultivation; for exhibition purposes it is unsurpassed.....	50
Hybrida Grandiflora Kermisina. Flowers of a rich, velvety dark crimson, of an immense size, generally furnished with a double row of petals.....	50

CINERARIA MARITIMA.

(Dusty Miller.) White foliage; very ornamental. <i>Half-hardy perennial</i>	5
Maritima Candidissima. An extra fine variety.....	5

CLARKIA.

A beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances; but when planted in rich soil and properly attended to they rank among the most effective of bedding plants. *Hardy annuals.*

Pulchella. Deep rose, very showy; 1¼ ft.....	5
Pulchella Alba. White, pretty; 1¼ ft.....	5
Elegans Double. Mixed colors; 1½ ft.....	5
Mrs. Langtry. The petals have an even edge, and the color of flower is purest white, with an evenly defined disc or centre of brilliant carmine crimson.....	10

CLEMATIS.

A beautiful, fragrant climber, perfectly hardy; seeds often lie dormant for weeks. *Hardy perennials.*

Flammula (Virgin's Bower). White; 15 ft.....	10
Vitalba (Traveller's Joy). White.....	10
Choicest mixed.....	10

CLIANTHUS.

Free flowering shrubs, with elegant foliage and brilliantly colored, singularly shaped flowers, which are produced in clusters with splendid effect. *Greenhouse perennials.*

Dampieri. Scarlet, pea-shaped flowers; 1 ft.....	25
Magnificus (Glory Pea). Scarlet; 15 ft.....	25

CLINTONIA.

An exceedingly pretty, Lobelia-looking plant, admirably adapted for rustic baskets, rock-work or vases. *Half-hardy annuals.*

Elegans. Pale blue, beautiful; 1½ ft.....	10
Pulchella Alba. White.....	10

COBCEA.

Scandens. A beautiful conservatory climber with large, well-shaped flowers and elegant leaves and tendrils. It is of very rapid growth, and, consequently, eminently adapted during the summer for warm situations out of doors; in sowing, place the seeds edgewise and cover slightly. *Half-hardy annuals.*

Purple	10
White	10
Macrostemma, or San Salvador Cobea. For description of this beautiful new variety see Novelties, page 37. Per pkt.....	20

COCKSCOMB.

Celosia. Highly ornamental, curious-looking flowers for the greenhouse, drawing-room and garden. The following sorts have been saved from combs remarkable for their size, symmetry and color. *Half-hardy annuals.*

COCKSCOMBS—Continued.



Glasgow Prize Cockscomb.

	Per pkt.
Collections of six finest dwarf varieties.....	50
Glasgow Prize. An extra fine dwarf variety, with immense crimson combs.....	25
Dwarf Mixed. Splendid.....	10
Fine Mixed.....	5
Pyramidalis Plumosa. Magnificent annuals, with charming feathery heads.	
Golden Yellow; 1 ft.....	5
Crimson; 1 ft.....	5
Japonica. Japanese, very ornamental.....	5

COLEUS.

Very effective plants for bedding. *Tender perennials.*

Collections of six beautiful varieties.....	75
Choice mixed; 2 ft.....	25

COLLINSIA.

Attractive in beds or mixed borders. *Hardy annuals.*

Bicolor. Purple and white; 1 ft.....	5
Grandiflora. Mixed; 2 ft.....	5

CONVALLARIA MAJALIS.

Lily of the Valley.....	10
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CONVOLVULUS.

Old and well-known favorites. The beauty and delicacy of their colors are unsurpassed; they all grow freely in almost any situation. *Hardy annuals.*

Major. (Morning Glory); 10 ft.....	5
Minor. Blue, yellow and white.....	5
Double Flowered. (New). See Novelties, page 39.	
Mauritanicus. Charming plant for baskets, rock work, etc., flowers lavender. <i>Perennials</i>	10

CORDYLINE (Dracæna).

Beautiful greenhouse foliage plants

Australis.	10
Indivisa Lineata.	25

CORN FLOWER.

See Centaurea Cyanus.

COSMIDIUM BURRIDGIANUM.

Flowers similar to the Calliopsis; of a beautiful velvety brown color. <i>Hardy annual.</i>	5
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COSMOS.

Plants 4 to 5 feet high; covered in the autumn with large, single, Dahlia-like flowers; fine for bouquets. *Half-hardy annuals.*

Pure White. Per pkt. 5c. Fine Mixed.....	5
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COWSLIP.

An early spring blooming border plant. Treatment about the same as for Pansies. <i>Perennials.</i>	5
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Cosmos.

CUCUMIS.

Per pkt.

An interesting tribe of plants, remarkable for their luxuriance and rapidity of growth, which, if the soil be rich, is marvellous. Treat the same as the Cucumber, and train against a wall or trellis. *Half-hardy annual.*

Flexuosus. Snake Cucumber; 10 ft.....	5
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CUCURBITA.

Ornamental Gourds. The tribe of Cucurbita, or Gourds, is well known as producing some of the most curiously shaped of all fruits, and are very desirable for covering the trellis work of arbors, etc. *Half-hardy annual.*.....

10

CYCLAMEN.

A genus of the most beautiful and elegant winter and spring blooming plants, for pot culture; if sown early in spring, under glass and well grown, will make flowering bulbs in one year. The seed we offer is saved from the finest strains.

Persicum. Choice mixed.....	25
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Giganteum. This section is remarkable for the immense size and magnificent colorings of the flowers... ..	50
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CYPRESS VINE.

Ipomea Quamoclit. A most beautiful climbing plant, with very delicate fern-like foliage. *Half-hardy annual.*

Scarlet; 10 ft.....	5
White. Very pretty; 10 ft.....	5
Finest Mixed.....	5

DAHLIA.

The seed we offer is from the best named varieties; 5 ft.

Double. Choice mixed.....	20
Single. Finest mixed, very showy.....	20
Dormant Tubers. The Finest named varieties, each	20

DAISY DOUBLE.

See Bellis Perennis, page 43.

DATURA.

Trumpet Flower. A tribe of highly ornamental plants, with large trumpet-shaped flowers. *Half-hardy perennials.*

Cornucopia. Delicate white, marbled with purple, sweet scented, extra.....	10
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Wrighti. (Meteloides), satin white, bordered with lilac; flowers 9 inches long; 3 ft.....	5
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Cloreaantha flore pleno. Golden yellow; 3 ft.....	5
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DELPHINIUM.

- Perpetual Larkspur. One of the best, hardy, herbaceous plants, flowering in great profusion throughout the summer; flowers in large spikes of endless shades of colors, from pearl white to the richest and deepest blue. *Hardy perennials.*
- Elatum Hybridum. Splendid mixed; 3 ft. 5
- Chinese Grandiflorum. Fine mixed; 2 ft. 5
- Formosum. Bright blue flowers, very attractive; 3 ft. 5
- Nudicaule. Very pretty, habit, dwarf; flowers bright scarlet; 1 ft. 10
- Double. Choice mixed. 10

DIGITALIS.

- Foxglove. Handsome and ornamental plants of stately growth and varied colors. Fine mixed; 3 ft. *Hardy perennial.* 5

DIANTHUS or PINKS.



China Pink.

SINGLE VARIETIES.

- Salmon Queen. A splendid acquisition to the annual Pinks. For description see Novelties, page 39.
- Heddiwigi (Japan Pink). The flowers are large and of the most brilliant colors from pure white to richest crimson, while many are laced or striped. 5
- The Bride. A dwarf variety, the flowers being white with a purplish centre, very pretty. 10

DOUBLE VARIETIES.

- Mourning Pink. The flowers are large, colors unique, rich purple, maroon, etc., edged with white. 10
- Diadem Pink. Flowers of many colors, beautifully striped and laced. 10
- Laciniatus. Fringed flowers of remarkable beauty. 10
- Choice Mixed. Consisting of the best double varieties, all colors. 10
- China or Indian Pink. Finest mixed. 5
- Collection of six finest varieties, single and double. 40

PERENNIAL VARIETIES.

- Pheasant's Eye. A single variety, the flowers of which are white with a crimson eye; very sweet scented. 5
- New Perpetual Pink. The flowers of this valuable Pink, which are sweet scented, come double, semi-double and single, and comprise a diversity of colors; valuable for florists. 25

DOLICHOS.

- Hyacinth Bean. A beautiful class of quick growing ornamental climbers. *Half-hardy annual.*
- Finest mixed; 12 ft. 5

DRACAENA.

See Cordyline.

ECCREMOCARPUS SCABER.

- A handsome rapid grower, free flowering, bright orange flower; 10 ft. *Tender annual.* 10

ECHINOCYSTIS.

- Wild Cucumber. This is the quickest climber known. It will grow 30 feet in one season, has dense graceful foliage, which is thickly dotted with pretty white fragrant flowers; these in turn are followed by an abundance of small ornamental seed pods. It retains its fresh and lively green color throughout the season, and is never infested with insects. The seeds should be soaked in water for at least 24 hours before planting. Once planted this vine seeds itself and comes up every year.

- Lobata. 10

ERYSIMUM.

Very showy, free-flowering plants, very effective in beds and borders. *Hardy annual.*

- Peroffskianum. Orange, very showy; 1 ft. 5



ESCHSCHOLTZIA.

- California Poppies. An exceedingly showy, profuse flowering class of plants, with extremely rich and beautiful colors, very attractive for bedding, massing or ribboning. *Hardy annuals.*

SINGLE VARIETIES.

- Californica. Bright yellow, showy; 1 ft. 5
- Alba. Creamy-white, very pretty. 5
- Rose Cardinal. Beautiful carmine-rose. 5
- Mandarin. Bright orange flowers shaded with crimson; very handsome. 5
- Maritima (Maltese Cross). Large flowers of a bright golden-yellow, with dark-orange markings; foliage silvery-grey. A superb variety. 10
- Fine mixed. 5

DOUBLE VARIETIES.

- White, Yellow and Mixed. Each. 5

EUTOCA.

Per pkt.

Neat, compact, free flowering plants, very attractive in beds or mixed borders. *Hardy annual.*

Viscida. Deep blue, fine; 1½ ft. 5

FENZLIA DIANTHIFLORA.

A neat little profuse flowering plant of dwarf growth, well adapted for rustic work or vases; rosy lilac with crimson and orange centre; ½ ft. *Hardy annual.*.... 25

FEVERFEW.

See *Matricaria.*

FORGET-ME-NOT.

Myosotis. A favorite and well-known border plant; flowers early, blooms freely; fine mixed varieties; ¼ ft. *Half-hardy perennial.*.... 10

Alpestris Victoria. (New). Sky blue flowers, with double centre, best for pot culture. 15

FREEZIA.

A most interesting family of plants largely used by florists in cut flower decorations. The flowers are pure white, blotched with yellow on the lower petals, with a delicate musk perfume. The seeds produce a bulb, which plant in October in light soil; give plenty of light and sun. When done flowering put away the bulb in a dry place until next planting. 10

FRAXINELLA.

Handsome, very fragrant, free flowering herbaceous plants, suitable for mixed borders; the seed frequently lies dormant for several months. *Hardy perennials.*

Rubra. Rosy purple; 3 ft. 5

Alba. White; 3 ft. 5

FUCHSIA.

Well-known greenhouse plants; the seed we offer has been selected and saved from the finest named varieties. *Greenhouse shrubs.*

Double and Single. Splendid mixed 25



Gaillardia Grandiflora.

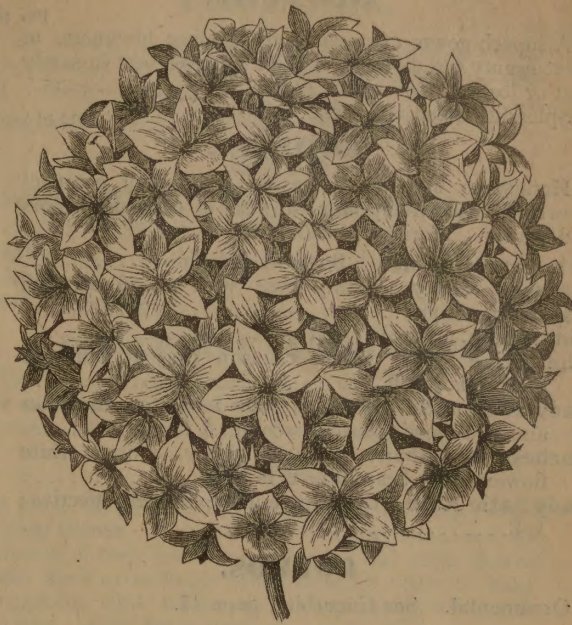
GAILLARDIA.

Per pkt.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers; very effective and showy. *Half-hardy annual.*

Grandiflora. Flowers yellow and scarlet. Very showy, in finest mixture. 5

Picta Lorenziana Double. Mixed. Large heads of bright yellow and red flowers, very double, with quilled petals, fine for bouquets. 10

GAILLARDIA—Continued.

Gaillardia Lorenziana.

GERANIUM.

Per pkt.

These well-known garden favorites are as indispensable for in-door as out-door decoration, and should be extensively cultivated. *Half-hardy perennial.*

Fancy Varieties. Fine mixed 50

Finest Scarlet (Zonale). Beautiful for bedding. 10

Golden Bronze. Brilliant foliage. 25

Double Zonale. Rose, purple and white; ½ ft. 25

GILLIA.

Very pretty dwarf plants, early and free bloomers, valuable for massing and for rockeries. *Hardy annuals.*

Tricolor. White, lilac and purple; ¾ ft. 5

Rosea. Rose, purple and white; ½ ft. 5

GLADIOLUS.

New Hybrids. Splendid mixture. See Novelties, page 39. 25

**GLOBE AMARANTH.**

Per pkt.

Gomphrena. Extremely handsome everlastings, with showy, pretty flowers, which may be cut in summer and preserved for winter bouquets. *Half-hardy annuals.*

Purple, White, Orange and Rose, each. 5

Mixed, all colors. 5

GLOXINIA.

A superb genus of stove plants, profuse bloomers, of great beauty and diversity of color; thrives best in sandy peat or loam. *Greenhouse plants.*
Splendid mixed varieties..... 25

GODETIA.

Handsome summer flowering plants, of compact growth, bearing freely large flowers of exquisite colors and shades. *Hardy annuals.*
Princess of Wales. Brilliant red, fine..... 5
Princess Henry Satiny rose with broad carmine spots, handsome..... 10
Lindleyana. Purple; 1 ft..... 5
The Bride Pure white, crimson ring at the base of corolla; 1 ft..... 5
Lady Albemarle. Flowers four inches in diameter and of a glowing crimson color; 1 ft..... 10
Duchess of Albany. Large glossy, satiny, white flowers, very beautiful; 2 ft..... 10
Lady Satin Rose. Bright carmine, extremely effective; 1 ft..... 10

GOURDS.

Ornamental. See Cucurbita, page 47.

GNAPHALIUM—(Edelweiss).

A pretty Alpine plant. Seed must be sown early in the spring, in shallow pans, in sandy soil and leaf-mould, and should be kept cool and moist.
Gnaphalium Leontopodium..... 25

GREVILLEA.

Robusta. A very graceful Fern-like foliage plant, for pots or tropical lawn effects, tender perennial; 3 to 5 ft..... 10

GYPSOPHILA.

A pretty free-flowering, elegant little plant, well adapted for rustic rock-work. *Hardy annual.*
Elegans. White and pink; 1 ft..... 5
Muralis. Bright rose, profuse flowers; ¼ ft..... 5

HAWKWEED.

Very useful, free flowering plants, showy in beds. *Hardy annual.*
Red, White and Yellow. Very beautiful; 1 ft..... 5

HEDYSARUM.

French Honeysuckle. Very hardy, plants producing racemes of attractive pea-formed flowers in two colors, scarlet and white. *Perennials.* Mixed... 5

HELIANTHUS.

See Sunflower.



Helichrysum (Everlasting Flowers.)

HELICHRYSUM.

Everlasting Flowers. Exceedingly effective in the flower border, indispensable for winter bouquets, for which purpose they should be cut before the blooms fully expand. *Hardy annuals.*
Collection of 12 separate colors..... 50
Large Flowering. Finest mixed..... 5

HELIOTROPE.

A well-known genus of profuse flowering and deliciously fragrant plants. *Half-hardy perennials.*
Fine mixed varieties; 2 ft..... 10

HELIPTERUM.

A beautiful genus of everlasting plants, valuable for winter bouquets. *Tender annuals.*
Sanfordii. Of dwarf, tufted habit, with round clusters of golden yellow flowers; 3 ft..... 5
Corymbiflorum. Beautiful white flowers..... 5

HIBISCUS.

A very ornamental and showy plant, well adapted for mixed or shrubby borders. *Hardy annual.*
Africanus. Color, brown centre; 1½ ft..... 5

HOLLYHOCKS.

A splendid plant for autumn decorations, and from its stately growth and the varied colors of its magnificent spikes of flowers, may justly demand a place in every large garden or pleasure ground. *Hardy perennials.*
Fine mixed..... 10
Splendid Double. Mixed..... 25
English Prize. Collection of 12 varieties..... 75

HUMULUS JAPONICUS.

Climbing Hop. A plant of very rapid growth, beautiful when planted isolated and properly supported, also valuable for trellises, etc..... 10

HUMEA ELEGANS.

A very graceful and ornamental plant for decorating gardens and pleasure grounds, with ruby and red grass-like florets. Very desirable. *Half-hardy biennials*.... 10

ICE PLANT.

A dwarf, trailing plant, much used for garnishing. The leaves and stems are covered with crystalline globules, giving it the appearance of being coated with ice. *Half-hardy annuals*..... 5

IMPATIENS SULTANI HYBRIDA.

One of the most useful plants of recent introduction. Remaining in bloom for a long period, they produce lovely flowers, varying in color from delicate pink to the deepest red. *Tender perennial.* Height, 3 ft..... 25

IPOMEA.

This genus contains some of the most varied and beautiful flowers in cultivation; for covering old walls, trellises, arbors or stumps of trees they are invaluable. *Half-hardy annual.*
Grandiflora. The Moon Flower. Large, pure white, flowers in great profusion, opening in the evening; rapid and luxuriant summer climber..... 10
Hederacea Superba Grandiflora. Sky blue. 10
Coccinea. Bright scarlet, very handsome; 6 ft..... 10
Marmoratis. With elegant silver-tipped leaves, largely used for vases and hanging baskets..... 10
Limbata Elegantissima. A beautiful creeper..... 10

IPOMOPSIS.

A remarkably handsome free flowering plant, with long spikes of orange and scarlet flowers. *Half-hardy biennials.*
Fine Mixed..... 10

JACOBEEA.

Senecio. Free growing plants, producing their gay-colored flowers in great profusion; very effective for beds. *Hardy annuals.*

Rose. Double, very beautiful; 1 ft.....	5
Purple. Double, showy; 1 ft.....	5
White. Double, fine contrast to the preceding.....	5
Fine mixed, dwarf varieties, all colors.....	5

KAULFUSSIA.

Compact growing border plants; very effective for ots and edgings. *Hardy annuals*

Fine mixed.....	5
Atroviolaceæ. Rich velvet, beautiful, new; ¼ ft....	10

KENILWORTH IVY.

Linaria Cymbalaria. Splendid plant for hanging baskets, rustic work, etc. *Hardy perennial.*..... 10

LANTANA.

A very desirable class of plants for indoor pot culture, and can be trained in any desired form, and are continually in bloom. The flowers are small but showy. *Perennials.*..... 10

**LARKSPUR.**

Very ornamental plants, possessing almost every requisite for the adornment of the garden; profuse bloomers, and of great variety of brilliant colors. *Hardy annuals.*

Dwarf Rocket German. Finest mixed; 1 ft.....	5
Tall Rocket German. Finest mixed; 2 ft.....	5
Hyacinth Flowered. Very double; 1 ft.....	5
Stock Flowered. Very double, extra fine.....	5

LATHYRUS (Latifolius).

Everlasting Pea. Showy, free flowering plants; very ornamental on trellis work, old stumps, or for covering fences or walls. Height 5 ft. *Hardy perennial.*

Scarlet.	5
White.	5
Fine mixed.....	5

LAVATERA.

Tall growing, very showy plants. *Hardy annuals.*

Trimestris. Red; 3 ft.....	5
Trimestris. White; 5 ft.....	5

LEPTOSIPHON.

A charming class of free-blooming plants, valuable for rock work or edging. *Hardy annuals.*

Fine mixed.....	5
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LIMNANTHES.

Very showy, profuse blooming dwarf plants, good for beds, clumps or edgings; thrive in any good garden soil. *Hardy annuals.*

Douglasii. Yellow and white, pretty; 1 ft.....	5
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LINUM.

Flowering Flax. A beautiful class of free-flowering hardy annuals of the easiest culture.

Scarlet.	5
Yellow	5
Rose. Very pretty.....	5

LISIANTHUS RUSSELLIANUS.

This is a splendid plant for greenhouse and conservatory decoration; its flowers are extremely handsome and of a rich, dark blue. 3 ft. *Greenhouse plants.*..... 25

LOBELIA.

A very valuable and beautiful class of mostly dwarf growing plants. Their delicate drooping habit and the profusion of their charming little blue and white flowers render them exceedingly ornamental for rustic or hanging baskets, while for border cultivation they are equally effective. *Half-hardy annuals.*

Cardinalis. Cardinal flower, beautiful scarlet; 2 ft. <i>Hardy perennial.</i>	10
Cardinalis Queen Victoria. Very dark leaves and beautiful flowers of brilliant scarlet, quite constant, a splendid acquisition.....	25
Compacta Crystal Palace. Dark blue, excellent for edgings.....	10
Erinus Alba. Pure white.....	5
Royal Purple. A compact growing variety, dark stalks, flowers deep blue with distinct white eye, extra fine.....	10
Speciosa. Blue, fine for bedding; ½ ft.....	5
Gracilis. Pale blue, fine for vases, trailing.....	5

LOPHOSPERMUM SCANDENS.

A very beautiful and ornamental climber, with handsome, showy fox glove-like flowers; very effective for conservatory or garden decorations; rosy, purple flowers; 10 ft. *Half-hardy perennial.*..... 10

LOTUS.

Very pretty genus of plants, with pea-shaped flowers, for greenhouse or conservatory decoration. *Half-hardy annuals.*

Jacobeus. Dark brown; 2 ft.....	10
Luteus. Yellow.....	10

LUPINUS.

Albus. White, large and showy; 2 ft.....	5
Nanus. Dwarf blue, fine for edging; ½ ft.....	5
Cruickshankii. Blue and yellow, pretty; 3 ft.....	5
Luteus. Yellow, sweet scented; 2 ft.....	5
Cœrulea. Large blue; 3 ft.....	5
Polyphyllus, 4 ft. <i>Hardy perennials.</i>	5

LYCHNIS.

Very free flowering, herbaceous plants. *Hardy perennials.*

Chalcedonica. Bright scarlet, pretty; 2 ft.....	10
Haagaæana. Hybrida, mixed; 1 ft.....	10

MALOPE.

A handsome plant of branching habit, with large showy flowers. *Hardy annual.*

Fine mixed.....	5
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MARTYNIA.

Very handsome, free flowering plants, with large flowers of great beauty; the young fruit or seed pods are highly esteemed for pickling. *Half-hardy annuals.*

Fragrans. Purple, very fragrant; 2 ft.....	5
Proboscidea. Light blue, very showy; 2 ft.....	5

MARVEL OF PERU.



Mirabilis Jalapa. The flowers are varied and of beautiful colors, and are produced in great abundance. The roots may be preserved throughout the winter like Dahlias. *Half-hardy annuals.*
Finest mixed colors ; 2 ft..... 5

MAURANDIA.

Beautiful climbers for greenhouses or outdoor cultivation.

Barclayana. Deep violet ; pretty..... 10

MARIGOLD.

Tagetes. A tribe of well-known free-flowering plants, with handsome double flowers of rich and beautiful colors ; very effective in beds, borders, etc. *Half-hardy annuals.*



Double French Marigold.

DOUBLE AFRICAN MARIGOLDS.

Collection of six finest double varieties..... 40
Orange. Very showy ; 2 ft..... 5
Lemon. Handsome ; 2 ft..... 5
Fine mixed..... 5

DOUBLE FRENCH VARIETIES.

Collection of six finest varieties..... 40
Dwarf. Gold striped ; very handsome..... 10
" Finest mixed ; 1/2 ft..... 5
Tall. Choice mixed ; height, 2 ft..... 5

SINGLE FRENCH MARIGOLD.



Legion of Honor.

A new and exceedingly beautiful single variety ; flowers bright clear yellow, distinctly blotched rich brown. The plants are dwarf and compact, and remain in bloom a long time ; height, 9 inches..... 10

MEXICAN MARIGOLD.

Tagetes Signata Pumila. Fine bedding plants, with pretty yellow flowers ; 1 ft..... 10

POT OR GOLDEN MARIGOLD.

See Calendula.

MATRICARIA.

Double Feverfew. Pure white double flowers ; a desirable bedding plant, and largely used for cemetery decoration..... 10

MESEMBRYANTHEMUM.

A beautiful class of dwarf-growing plants ; very effective in beds, edgings, rock work, rustic baskets and vases. Succeeds best in a warm situation. *Half-hardy annuals.*

Tricolor. Mixed colors ; very showy ; 1 ft..... 5

MIGNONETTE.

Within recent years Mignonette has been immensely improved in size, and several distinct tints have been selected. These have been saved with such care that an agreeable variety of this fine old favorite is now available for the garden and for pot culture. The following are hardy annuals :

Sweet Scented.....Per oz. 20c. 5
Dwarf Compact. A fine compact variety for pot culture..... 10
Myles' Hybrid Spiral. Habit dwarf and branching ; flowers large. The odor of this variety is superior to any other..... 5
Parson's White Flowering. The flowers are almost pure white, of the most exquisite fragrance..... 10
Machet. Pyramidal large flowers ; dwarf and compact ; the best for pot culture..... 10
Golden Machet. New. See Novelties, page 39.... 35
Eloise Francois. A splendid new variety, with very long flower stalks ; grand for cutting..... 10

MIGNONETTE—Continued.



Machet Mignionette.

- Crimson Queen.** Robust in habit, with very large spikes of handsome red flowers..... 5
- Golden Queen.** Large flowered; a handsome dwarf variety, flowers golden yellow, a free bloomer.... 10
- Large Flowered Pyramidal or Tree Mignionette.** This plant is more vigorous than the old variety, the stems stronger, and with proper treatment the so called *Tree Mignionette* will be obtained..... 10

MUSA ENSETE.

- Abyssinian Banana Tree.** Magnificent for sub-tropical massing. On the lawn as single specimens they are very effective. Seed sown early will produce immense plants the first season..... 25

MIMULUS.

Extremely handsome flowers of brilliant colors. Seeds sown in spring make fine bedding plants for summer blooming, while seed sown in autumn produce very effective early flowering greenhouse plants. *Half-hardy annuals.*

- Moschatus**—Musk plant, yellow; $\frac{1}{2}$ ft..... 10
- “ **Compactus.** Similar to preceding except that it is of more compact habit, making it more suitable for pot culture..... 20
- Cupreus.** Orange and scarlet, extra fine; $\frac{1}{2}$ ft..... 10
- Tigridioides.** New, beautifully blotched; $\frac{1}{2}$ ft..... 10



Dwarf Nasturtiums.

NASTURTIIUMS.

A well-known and highly ornamental class of plants. The tall varieties are adapted for rock work. The new dwarf or Tom Thumb varieties are a charming class with brilliant colored flowers, well adapted for bedding and massing in mixed flower border, most profuse bloomers; when in perfection nothing but a mass of the richest flowers are seen. The seed, if picked young, is an excellent substitute for capers. *Hardy annuals.*

New Liliput. See Novelties, page 38..... 35

DWARF OR TOM THUMB VARIETIES.

- Aurora.** Salmon rose, mottled blush white, garnet blotches..... 5
- Crystal Palace Gem.** Sulphur spotted with maroon, **Empress of India** The flowers are of a brilliant crimson..... 5
- King of Tom Thumbs.** Foliage is a beautiful blue green, with intense scarlet flowers..... 5
- King Theodore.** Blue green foliage and the blossoms of an intense black..... 5
- Lady Bird.** Orange yellow, red spots, extra..... 5
- Pearl.** Cream white..... 5
- Yellow.** Fine canary..... 5
- Scarlet.** Very showy..... 5
- Collection of 6 varieties.**..... 25
- Fine mixed..... 5



New Hybrids—Madame Gunter.

TALL VARIETIES.

- Red.**..... 5
- Yellow.**..... 5
- Mixed.**..... 5

Lobbianum. The leaves and flowers are somewhat smaller than the ordinary tall Nasturtium; the flowers, however, are produced in greater profusion. Mixed colors..... 10

Madame Gunter, New Hybrids. This new section is distinguished by its dark foliage and a richness of color, not to be found in any of the different classes already grown. There are shades of rose, salmon, bright red, pale yellow, etc., either self-colored, spotted or striped. Free and continued flowering will make it a useful and popular climber. All colors, mixed..... 10

NEMOPHILIA.



This is one of the most charming and generally useful of the dwarf-growing hardy annuals; all the varieties have a neat, compact and uniform habit of growth, comprising varied and beautiful colors, admirably adapted for edgings, etc. *Hardy annuals.*

- | | | |
|-----------|---------------------------------------|---|
| Atomaria. | White and black spots; 3/4 ft. | 5 |
| Insignis. | Deep blue, with white centre; 3/4 ft. | 5 |
| " | Alba. Pure white; pretty; 3/4 ft. | 5 |
| Maculata. | White, blotched with violet; 3/4 ft. | 5 |

NICOTIANA.

- Ornamental. *Half-hardy annual.*
- | | | |
|-----------------------|---|----|
| Affinis. | Sweet-scented, pure white star-shaped flowers, three inches across, blooming continually in the greenhouse in winter or when bedded out in summer | 10 |
| Macrophylla Gigantea. | Of gigantic proportions; flowers of a deep red color | 5 |
| Colossea. | An immense variety | 10 |

NIEREMBERGIA.

- Graceful little plants; valuable for small beds, edgings, etc. *Half-hardy annuals.*
- | | | |
|-----------|---------------------------------|---|
| Gracilis. | White, veined with lilac; 3 ft. | 5 |
|-----------|---------------------------------|---|



NIGELLA.

- (Love in a Mist). A very interesting class of plants, with curious-looking flowers and seed pods. *Hardy annuals.*
- | | | |
|------------|--------------------------------------|---|
| Damascena. | Dark blue; very pretty; 1/2 ft. | 5 |
| Hispanica. | Blue and purple; very showy; 1/2 ft. | 5 |

NOLANA.

Very pretty trailing plants, with convolvulus-like flowers; excellent for rustic work or hanging baskets. *Hardy annuals.*

Fine mixed	Per pkt.	5
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ENOTHERA.

A free flowering and useful class of plants for beds or borders.

Biennis (Evening Primrose).	Yellow. <i>Hardy biennial.</i>	5
Drummondii.	Large; pale yellow. <i>Hardy annual.</i>	5

OXALIS.

Beautiful small plants, suitable for the greenhouse, rock-work, baskets, or out-door culture; flowering the first year if sown early; blooms in clusters. *Half hardy perennial.* 9 inches.

Rosea.	Rose-colored	10
Tropaeoloides	Yellow	10



Bruce's Premium.

PANSY.

(Heartsease). This lovely flower, a favorite with everyone, is too well known to need any description. Seed sown in August or September, and kept in cold frames through the winter and planted out in the spring, will blossom abundantly the whole season; for summer and fall blooming sow from January to June. The Pansy delights in loamy soil, enriched with thoroughly decayed cow manure. The seed we offer has been saved from celebrated collections in Europe, and will not fail to give perfect satisfaction. *Hardy perennials.*

- | | |
|--|----|
| Collection (imported) of 12 choicest varieties | 75 |
| " " " of 6 " " | 50 |
| Bruce's Premium. We have much pleasure in offering seed from our unrivalled strain of this garden favorite. The seed is saved from the largest and best shaped flowers | 25 |
| Bugnot's. The flowers of this variety are of immense size, symmetrical in shape, petals thick and beautifully marked; every lover of Pansies should give it a trial | 25 |
| Peacock. The chief characteristic of this variety consists in the two upper petals of the flower having a conspicuous central blotch of a delicate violet tint, which first deepens into intense violet and then changes near the margin into deep claret color, the extreme edge being nearly white | 25 |

PANSIES—Continued.

	Per pkt.
Non Plus Ultra. A grand strain of mammoth flowering pansies; great diversity of color; plant compact and bushy; very free bloomers.....	25
Cassier or Five-Blotched. A new and beautiful strain, perfect in size and form.....	25
Giant Trimardeau Flowers of immense size and beautifully marked.....	10
Snow Queen. Fine pure white, very pretty.....	10
White Giant. An extra large white variety, with purple eye.....	10
Yellow Giant. Yellow, with large black eye; one of the finest and showiest varieties.....	10
King of the Blacks or Faust. Flowers intensely black.....	10
Lord Beaconsfield. Grand color, purple violet, shading off in the top petals only to a whitish hue.....	10
Very Fine Mixed. All colors.....	10
Fine Mixed. All colors.....	5

PETUNIA.

A very profuse flowering, easily cultivated garden favorite for outdoor cultivation. In summer there is scarcely a class of plants equal to this; it commences to bloom early and continues a mass of bloom the whole season. It is also very effective in pots for greenhouse or parlor decoration. *Half-hardy annual.*

Hybrida. Fine mixed.....	5
Striped and Blotched. Splendid mixed.....	10
Countess of Ellsmere. Purple and white.....	10
Inimitable New Dwarf. Very bushy, 5 to 6 inches high, with regular striped flowers; exceedingly effective, whether in masses or in pots.....	25
Grandiflora. Single fringed varieties, superb mixed..	25
Giants of California. A Californian strain of incomparable beauty. The flowers are of enormous size, (4 to 5 inches across) and are produced in a wonderful variety of colors, markings, etc., including many charming and delicate shades.....	20



Double Petunia.

	Per pkt.
Grandiflora Fimbriata flore pleno. Large flowering double-fringed Petunia, a grand acquisition. The flowers are very large and the colors very brilliant.....	25

PETUNIA—Continued.

	Per pkt.
Grandiflora Fimbriata flore pleno. (Lady of the Lake.) The finest double pure white variety yet introduced. About 30 per cent. of the seedlings come double.....	25
Double Flowered The seed we offer cannot be surpassed in quality. Flowers from this strain have measured three inches in diameter, of the most beautiful colors, as double as Camellias, and some of them as fragrant as the violet.....	25

COLLECTIONS—Finest Imported.

Single. In 12 choicest varieties.....	75
Double. In 12 finest large flowering varieties.....	75
Double-fringed. In 6 finest large flowering varieties...	60

PHLOX.

This genus is unrivalled for richness and brilliancy of color, profusion and duration of bloom, which renders them of valuable service in the general flower garden; in fact, a finer sight than a bed of Phlox Drummondii is rarely to be seen. *Hardy annuals.* Height, 1½ ft.



PHLOX DRUMMONDII.

	Per pkt.
Radowitzi. Rose striped with white.....	10
William First. Scarlet, striped white.....	10
Fine mixed.....	5
Collections of 12 separate colors.....	60

LARGE FLOWERED PHLOX.

Alba. Pure white.....	10
Alba Oculata White, with purple eye.....	10
Leopoldi Purple, white eye.....	10
Coccinea. Scarlet, splendid.....	10
Kermesina Splendens. Vivid crimson.....	10
Finest mixed.....	10
Collection of 6 separate colors.....	50
Collection of 12 separate colors.....	75

NEW STAR PHLOX.

Cuspidata. Very distinct and pretty. The flowers are deeply serrated and petals pointed, giving them a star-like appearance.....	10
---	----

DWARF PHLOX.

Nana Compacta. Grows about 6 inches high, fine mixed.....	10
--	----

DOUBLE PHLOX.

White. Sixty per cent. of the seedlings produce double flowers, fine for cutting.....	10
Yellow. This pretty double yellow flower possesses a slight perfume. It is worthy of note that in order to produce the best double flowers these Phloxes should be grown in light soil.....	10

PHLOX—Continued.

PERENNIAL PHLOX.

- Deccusata.** This charming hardy Phlox should have a place in every garden. Per pkt.
Finest mixed, all colors..... 10

PORTULACA.

For brilliant, beautiful and gorgeous colors this charming genus stands unrivalled; and whether in baskets, small beds, edgings or rock work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeed best in light, gravelly soils, and in a warm situation. *Hardy annual.*

- Fine mixed varieties; $\frac{1}{2}$ ft..... 5
Flore Pleno. Double flowered; $\frac{1}{2}$ ft..... 15
Collection of 6 finest double varieties..... 50

PLATYSTEMON CALIFORNICUM.

A charming, free-flowering, dwarf-growing plant, very effective in small beds, rustic baskets and edgings; color, cream, spotted with orange; $\frac{1}{2}$ ft. *Hardy annuals.*.... 5

POPPY.

A tribe of showy, free-flowering plants, with large and brilliant colored flowers; well adapted for large mixed borders and shrubberies. *Hardy annuals.*



DOUBLE VARIETIES.

- Dwarf French.** Very showy; 2 ft..... Per pkt. 5
Carnation. Beautifully striped; 2 ft..... 5
Mikado. Double flower with long feathery petals; white, fringed with crimson..... 5

SINGLE VARIETIES.

- Shirley Poppies.** A beautiful strain, with single flowers of many colors; for bedding they cannot be excelled..... 10
Tulip Poppy. The plant is from 12 to 14 inches high, and produces flowers of the most vivid scarlet imaginable. The two outer petals of the flower bear a similarity to a saucer, in which are set two erect petals of the same color. When the flowers begin to fade two black spots are visible at the base of the petals..... 10

PERENNIAL VARIETIES.

- Iceland Poppies.** A beautiful class of dwarf perennial poppies, which, if sown early, will bloom the same year. They are bright and showy, forming tufts of brilliant blossoms, borne on slender stalks about a foot high..... 10

POPPY (PERENNIAL VARIETIES)—Continued.

- Orientele.** Dark red, extra fine..... Per pkt. 10



Shirley Poppies.

POTENTILLA ATROSANGUINEA.

- A profuse flowering, herbaceous plant, brilliant with crimson flowers; $1\frac{1}{2}$ ft. *Hardy perennial.*..... Per pkt. 5



PRIMULA OR CHINESE PRIMROSE.

One of the finest winter and spring blooming plants, indispensable for conservatory decorations. The seed we offer has been selected with great care from some of the finest strains in cultivation, and we can with confidence recommend it. *Greenhouse perennial.*

- Extra choice mixed..... 25
Alba. Finest white varieties, mixed..... 25
" **Magnifica.** Extra fine form..... 25
" **Snow Queen.** Pure white..... 25
Striata. Carnation striped..... 25
Rubra. Bright red..... 25
Rose. Bright and pretty..... 25
Royal Blue. The finest of all blues..... 25
Fern-leaved Varieties. Mixed..... 25
Collection of 6 finest colors..... 75
New Fimbriata Giant. A magnificent class of Primulas of immense size, and including many new shades of color..... 50

PRIMULA OBCONICA.

With whitish flowers, exceedingly floriferous and very useful for pots and bouquets; sown in February or early spring will bloom uninterruptedly from middle of May. 25

PRIMULA JAPONICA.

This beautiful Primrose is quite hardy, growing about 1½ feet in height, producing from its tuft of robust leaves a stem bearing four or five separate tiers of whorls of charming flowers, each flower being an inch in diameter and of a splendid magenta color. *Half-hardy annual.* 10

PRIMROSE.

Yellow. This old-fashioned favorite, so common in the hedgerows and meadows of Britain, is well worthy of a trial here. 10

PINKS.

See Dianthus.

POLYANTHUS.

Splendid free-flowering plants, either for pot culture or open border. *Hardy perennials.*

Gold Laced. Splendid mixed, from stage flowers; ¾ ft. 10

Hose in Hose. One of the most beautiful strains of this old garden favorite, and one of the gems of English cottage gardens. 10
Fine mixed, border varieties; 3 ft. 10

PYRETHRUM.

Handsome free-blooming plants, with Aster like flowers; fine for bouquets. *Hardy perennials.*

Double varieties, finest mixed. 10

YELLOW LEAVED SORTS.

Well-known dwarf growing plants, extensively used for bedding purposes.

Golden Feather (Aureum). Very popular. 5

Golden Gem. Golden yellow foliage with double white flowers. 10

Feverfew. See Matricaria.

RHODANTHE.

One of the handsomest everlastings for winter bouquets. The flowers require to be gathered when young, and dried in the shade; succeeds best in a light, rich soil, and warm sheltered situation. *Half-hardy annuals.*

Manglesi. Bright rose with silver calyx; 1 ft. 5

Maculata. Bright rosy purple; 1 ft. 5

Mixed. 5

RICINUS.

See Castor Oil Beans.

ROCKET.

Very pleasing early spring flowers, profuse blooming plants with deliciously fragrant flowers. *Hardy perennials.*

Purple and White. 1½ ft., each. 5



Salpiglossis.

ROSA POLYANTHA NANA.

Polyanthus Rose. See Novelties, page 39. 10

SALPIGLOSSIS.

Highly ornamental and remarkably beautiful autumn blooming plants. Their curiously pencilled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edgings, etc. *Hardy annual*

Finest mixed, beautiful colors; 1½ ft. 5

SALVIA.

(Flowering Sage). Well-known for their brilliant colors, and no plants can be finer for bedding. They are easily grown, free-flowering and showy. *Perennials.*

Splendens Brilliant scarlet flowers, a magnificent variety; 3 ft. 10

Splendens Compacta. In habit more dwarf and compact than above, flowers intense scarlet, unsurpassed for bedding and pots; 2 ft. 15

Patens. Handsome large deep blue velvety flowers, highly recommended; 2 ft. 15

Coccinea. Scarlet, very showy; 1 ft. 5

SANVITALIA PROCUMBENS.

A pretty dwarf free-flowering plant, suitable for small beds, rock-work or edgings; color, rich brown and yellow; very effective in beds and masses; 2 ft. 10

SAPONARIA.

Of these beautiful little plants it is impossible to speak too highly. They carpet the ground with their beautiful star-shaped flowers during the summer and autumn months; for edgings they are unequalled, bearing cutting back if necessary. *Hardy annuals.*

Calabracca. Rich deep pink; ½ ft. 5

**SCABIOSA.**

Per pkt.

Sweet Scabious. The flowers are double, remarkably handsome and very richly colored, crimson, purple, pink and lilac shades predominating; splendid for cutting. *Hardy biennials.*

Golden Yellow. A new color, very pretty. 10

Snowball. Pure white, extra fine. 5

Double fine mixed. 5

SENSITIVE PLANT.

(Mimosa). Very curious and interesting plants; their leaves closing if touched or violently shaken; may be grown out of doors, in a warm situation; grow in peat or loam; 1 ft. *Half-hardy annuals.* 10

SMILAX.

A well-known greenhouse plant, largely used by florists for table and house decorations; color, white... 10

SOLANUM.

One of the most beautiful classes of ornamental fruit bearing plants in cultivation. *Half-hardy perennial.*
Capsicastrum (Miniature Orange Tree). Covered with a profusion of orange fruit; 1½ ft. 10
Pseudo Capsicum (Jerusalem Cherry). Orange scarlet fruit 1½ ft. 10



STOCKS.

The Stock is one of the most popular, beautiful and important of our garden favorites. Whether for bedding, massing, edging or ribboning, it is unsurpassed either for brilliancy or diversity of color, or duration of bloom. *Half-hardy annuals.*

SUMMER FLOWERING TEN WEEK VARIETIES

Fine mixed.....	5
Choice mixed, large flowered sorts.....	10
Pure White.....	10
Royal Gem. Rich dark crimson.....	10
Giant Perfection. Choice mixed.....	10
Giant or Tree. Choice mixed.....	10
Wallflower-Leaved. Fine mixed.....	10
“ “ Pure white.....	10
Princess Alice (Dresden Perpetual or Branching). Very handsome; large spikes; splendid for cutting.....	10
Triumph. Brilliant scarlet.....	10
Snowflake. White forcing; a grand variety.....	25
Collection, Large Flowering. 12 finest colors.....	75
“ Giant Perfection. 6 finest colors.....	50
“ Wallflower-Leaved. 6 finest colors... ..	50

EAST LOTHIAN INTERMEDIATE STOCKS.

These Stocks when properly cultivated are acknowledged to be the best of all intermediate varieties; the purity and constancy of their respective colors, their continuous blooming, and great percentage of double flowers which they produce, render them most valuable for garden and pot culture.

Scarlet and White, each.....	25
Snow White Wallflower-Leaved.....	25
Collection of four distinct colors.....	50

BIENNIAL STOCKS.

Brompton, Scarlet. Covent Garden variety. <i>Half-hardy biennial</i>	10
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STOCKS—Continued.

Brompton, Snow White. Shining leaves; large flowered; early variety of dwarf; compact habit; produces 70 per cent. of very double pure white flowers.....	25
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SUNFLOWER.

(Helianthus). Very showy plants; remarkable for their stately growth, and the brilliancy and size of their flowers, and well adapted for large shrubbery borders, or round the margin of lakes or ponds. *Hardy annuals.*



The Miniature Sunflower.

SINGLE VARIETIES.

New Miniature. Of dwarf branching habit, producing an abundance of small flowers of a bright golden yellow, with dark centre; one of the finest; 3 ft.	10
Annus (Common Sunflower). Yellow, with black centre; 6 ft.	5
Variegatis. Foliage green and white; 4 ft.	5
Giant Russian. Very large; 8 ft.	5
Primrose Dame. Flowers of a delicate sulphur yellow, with black centre; 6 ft.	5
Uniflorus. Very tall; enormous flowers; 10 ft.	5

DOUBLE VARIETIES.

Dwarf Double. Very attractive; 4 ft.	5
Tall Double. Large bright yellow flowers, 5 ft.	5
Globosus Fistulosus. A handsome large flowered variety; 5 ft.	5
Green Centered. Bright yellow, with green centre; 4 ft.	5

SWEET PEAS (Lathyrus).

These lovely and deliciously perfumed flowers have become unusually popular. When cut for filling vases the blooms will last for days. The seed should be sown as early as the ground can be worked in the spring, to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. Make a trench of 6 inches deep; in this sow the seed and cover 2 inches deep. As soon as the plants begin to show through fill in the trench. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continually through the heat of summer. As fast as the flowers come into full bloom or fade they should be cut off, for if the pods are allowed to form the plants will stop blooming. Seed may also be sown with great advantage late in the autumn.

TORENIA.

A very fine annual, forming a splendid plant for vases, hanging baskets, the greenhouse, or for growing out of doors.

- Torenia Fournieri. Large sky-blue flowers, with three spots of dark blue, and a bright yellow centre. 15
- Torenia White Wings. A very attractive, pure white variety..... 20

TRIFOLIUM ODORATUM.

Sweet Scented Clover. Very fragrant; 2 ft. Hardy perennial..... 5

VALERIAN.

Very showy border plants, with large umbels of light colored flowers. Hardy perennial.

Fine mixed..... 5

VENUS' LOOKING GLASS.

A free-flowering, pretty little plant, especially adapted for beds, edgings, etc. Hardy annual.

Blue and White. Mixed..... 5

VERBENA.

A universal favorite, raised from seed sown in January or February; will bloom abundantly during the summer and autumn of the same year. The plants are more robust in growth, and produce more flowers than those propagated from cuttings. Half-hardy perennial.



Verbena.

- Fine mixed..... 5
- Very choice, from named flowers..... 10
- Striped Italian. Very fine..... 10
- Auricula Flowered. Beautiful strain..... 10
- White. Different shades..... 10
- Blue. Different shades..... 10
- Defiance. Bright scarlet..... 10
- New Mammoth. The plants of this variety bloom freely and are vigorous in growth. The flowers are of the largest size and embrace all the beautiful new colors and shades..... 10
- Collection (imported) of six finest colors..... 60

VIOLET.

Well known fragrant spring flowering plants. Hardy perennial.

Odorata. White perpetual, very pretty; ½ ft..... 10

Odorata. Blue Neapolitan; ½ ft..... 10

VISCARIA.

Very pretty profuse flowering plants. Effective in beds or mixed borders. Hardy annual.

Oculata. Pink, with rich, crimson eye; 1 ft..... 5

VIRGINIA STOCK.

Extremely pretty, profuse flowering little plants, effective in small beds, baskets or edgings; grows freely in any soil. Hardy annual.

Red. ½ ft..... 5



WALLFLOWER.

A well known fragrant plant. Half-hardy perennial.

Fine mixed..... 5

Blood Red. 2 ft..... 5

Golden King. Fine yellow; 2 ft..... 5

Harbinger. Very early, color brown..... 5

German Double. Choice mixed; 2 ft..... 10

“ “ Collection of 6 finest colors..... 60

WHITLAVIA GRANDIFLORA.

One of the most charming Californian plants of recent introduction; very effective for beds, ribboning or mixed borders. Hardy annual

Gloxinoides. Blue and white; 1 ft..... 5

WILD CUCUMBER.

See Echinocystis Lobata.

XERANTHEMUM.

Very showy, free flowering everlastings; valuable for winter bouquets. Hardy annual.

Purple, Yellow and White. Mixed; 2 ft..... 5

Superbissimum, fl. pl. Double purple..... 10

ZINNIAS.

Very handsome free-flowering plants, of great richness and variety of colors, and have long been general favorites. The flowers measure two to three inches in diameter, and of various shades of color, embracing purple, deep rose, light rose, mottled rose, red, orange and buff; they resemble in their outline a fine Double French Marigold, but much larger in size. Half-hardy annual.

ZINNIAS—Continued.

	Per pkt.
Collection of 6 finest double varieties.....	50
“ 6 “ dwarf double varieties.....	50
Double Mixed (Elegans fl. pl.).....	10
“ White “ “.....	10
“ Scarlet “ “.....	10
“ Striped “ “.....	10
Double Tom Thumb. Compact plants; not over 12 inches high; very pretty.....	10
Double Pompon (Darwini fl. pl.) A charming new class, with small and very double flowers.	
Finest mixed.....	10
Haageana fl. pl. Flowers of a deep orange color; small and very double; fine for cutting; 1 ft.....	10
New Giant Zinnias (Grandiflora Robusta Plenissima, fl. pl.) This variety forms a handsome bush, three feet in height, and the mammoth double flowers, measuring five to six inches across, are of the most brilliant colors.....	10

Special Mixture of Flower Seeds for Wild Flower Gardens.

These mixed flower seeds embrace a great variety of such easy-growing and pretty flowers as are suitable for forming a wild-flower garden. They are very useful for sowing in almost any odd corner of the garden or grounds, and if kept free from weeds can be made to produce a continual display of bloom during the summer. Per pkt. 10c.; ½ oz. 20c.



Double Zinnias.

ORNAMENTAL GRASSES

Are particularly valuable for the formation of winter bouquets, wreaths and other ornaments in connection with the everlasting flowers, for which purpose they should be cut when green, at about the time of flowering, and dried in the shade.

	Per pkt.
Agrostis Pulchella. Very beautiful.....	5
Agrostis Nebulosa. The most elegant of ornamental grasses.....	5
Avena Sterilis (Animated Oats). Very interesting.....	5
Briza Maxima. One of the best ornamental grasses; perfectly hardy.....	5
Briza Gracilis. Very beautiful variety from Cape of Good Hope.....	5
Bromus Brizæformis. Very fine grass, with elegant hanging ears.....	5
Bromus Madritensis. Very fine for dyeing....	5
Chloris Barbata. Small growth and tassel-like.....	5
Coix Lachryma (Job's Tears). Broad, corn-like leaves.....	5
Eragrostis Elegans. An elegant, airy grass of dwarf growth.....	5
Erianthus Ravennæ, Fol. Var. (new). Same habit as Erianthus Ravennæ, with beautiful variegated foliage.....	10

	Per pkt.
Erianthus Ravennæ. Extremely elegant; resembles the Pampas Grass in appearance and habit of growth; its noble plumes of silvery inflorescence are pure white and delicately beautiful; 7 ft.....	10
Gynierium Argentum (Pampas Grass). The most notable grass in cultivation; flowers second season; not quite hardy here, though we have kept plants well by covering with leaves.....	10
Hordeum Jubatum. One of the finest for bouquets.....	5
Lagurus Ovatus (Hare's Tail Grass). Small, white plumes; 1 ft.....	5
Stipa Pennata (Feather Grass). Magnificent, but rather difficult to grow without heat.....	10
Zea Japonica, Fol. Var. (Striped Leaved Japanese Corn). The leaves finely striped with white.....	5

FLOWERING BULBS.

GLOXINIAS.

The following very complete list of this handsome summer flowering family of bulbous plants can be supplied in large, dormant flowering bulbs as follows:

Defiance. Scarlet.....	30
Pure White.	30
Emperor Frederick. Scarlet, white throat...	30
Tigered and Spotted.	30
Crassifolia Erecta.	30
Mixed colors, unnamed, 15c. each, \$1.50 per doz.	

TUBEROUS BEGONIAS.

Our stock of this beautiful and interesting class of plants is from a celebrated Continental grower, and can be recommended with confidence.

Single Varieties, }	Pink, Crimson, Scarlet,
Separate Colors, }	White, Yellow.
Each.....	15c.
Single varieties, mixed colors, each.....	10
Double “ “ “.....	20
“ “ “ separate colors, each.....	30

FLOWERING BULBS

FOR SPRING PLANTING.

GLADIOLUS.

There are few flowers which produce such a gorgeous effect as this magnificent autumn flowering plant. Largely as they are used, and popular as they undoubtedly are, they deserve to be still more extensively grown. The great wealth and variety of color, the richness of their markings, the size of the flowers and the profusion of bloom, all combine to make them one of the most effective plants for the garden, either for massing or for growing as single specimens.

CULTURE.—Gladiolus are of the easiest culture. The bulbs may be planted any time from the middle of May up to the end of June. They will grow well in ordinary garden soil with almost no care whatever. The bulbs may be taken up in the fall and stored during the winter in a dry cellar away from frost.

Addison.	Dark amaranth, with white stripes.....	10
African.	Darkest crimson black, with a pure white blotch in the throat. The darkest and one of the finest colors; large flower and spike.....	15
Ajax.	Beautifully striped.....	10
Amalthee.	Pure white, with large violet-red blotch; ground of the corolla velvety-violet, the lower petals slightly tinted with lilac.....	10
Angele.	White, showy and effective.....	10
Antonius.	Scarlet cherry, slightly tinged with orange flamed carmine, pure white blotch.....	10



Gladiolus.

Aurore.	Bright salmon rose, striped orange, carmine and lilac; blotch cherry-rose, streaked violet.	15
Cam leon.	Compact truss of large, slaty-lilac flowers, flamed orange, with white bands down the middle of each petal; large, creamy-white blotch, streaked violet.....	10
Cicero.	Fine lilac.....	20
Chrysolora.	Golden yellow, pure and distinct; the best yellow.....	25
Coquette	Large and fine flower of bright cherry-red, with a conspicuous pure white blotch; upper petals striped with delicate rose.....	15
Duchess of Edinburgh.	A flower of fine form and great substance; a plant of strong growth, purplish rose carmine stripe.....	15
Fatima.	Very large flowers of ivory white ground, profusely striped and suffused with bright rosy-salmon; violet blotch.....	15
Hesperide.	Profusely blotched and flaked bright rosy-salmon on a pure white ground.....	15
Horace Vernet.	Large, purple-red, with white..	15
Isaac Buchanan.	Very fine yellow.....	10
John Bull.	White, slightly tinged with sulphur..	10
Leander.	Large flower of lilac color, beautifully shading off to carmine; distinct white band in each petal, and white blotch.....	15

Madame de Vatry.	French white; purplish carmine blotch.....	10
Madame Monneret.	Delicate rose.....	10
Pepita.	Bright golden yellow flowers, slightly striped carmine at the edges of the petals toward the end of the flowering season.....	10
Queen of the Fairies.	Fine light sulphur-yellow; magnificent.....	20
Shakespeare.	White; very slightly suffused with carmine rose; large, rosy blotch.....	15
Snow White.	The only pure white, large, well-opened flowers and enormous spikes.....	20
Sylphide.	Pure white, flamed carmine. Extra large and fine.....	15

The above collection of 25 separate varieties, \$2.50.

Collection of 12 varieties, our selection, \$1.00.

Lemoine's New Hardy Hybrids. The odd and fantastic markings of these Gladiolus and their beautiful shape resemble the fascinating beauty of the Orchid, yellow, crimson, white, brown, pink, etc., are blended together, producing an effect seen in no other flower.

Fine mixed varieties, per doz., 50c.; \$3.00 per 100.

GLADIOLUS IN SEPARATE COLORS.

THESE ARE CHOICE AND ABSOLUTELY TRUE TO COLOR.

White and Light	varieties mixed; superb. Per doz. 50c.; per 100, \$3.00.
Scarlet and Red.	Extra fine mixed. Per doz. 40c.; per 100, \$2.00.
Pink.	Fine pink and rose shades. Per doz. 50c.; per 100, \$3.00.

Yellow and Orange.	Best yellow colors. Per doz. 60c.; per 100, \$5.00.
Striped and Variegated.	Extra fine. Per doz. 50c.; per 100, \$4.00.
All colors, choice mixed.	Per doz. 25c.; per 100, \$1.50.
" 2nd size "	" 15c.; " 1.00.

DOUBLE TUBEROSE.

The fragrance and beauty of the Tuberose has made it a favorite with all. It keeps in bloom for a lengthened period, and its pure white wax-like flowers are produced in long spikes. Plant in the open ground in May, but the bulbs can be started much earlier in pots if desired. Place in a sunny spot in rich soil and cover the top of the bulb to the depth of an inch.

The Pearl.	Large flowering roots.....	per doz. 50.; per 100, \$3.00
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FINEST DOUBLE AND SINGLE DAHLIAS.

Selected from the finest collection in Canada ; the tubers offered are large and each will produce from two to three strong eyes. Plant when the ground is dry and warm, from middle of May to middle of June, and in rich, loamy soil ; water frequently after planting and tie to stakes. A little pruning and thinning out will produce extra large blooms. About the middle of October take up the roots and place on shelves in a dry cellar, free from frost. Self colors and fancy varieties, 20 cents each ; \$2.00 per doz.

POMPON DAHLIAS.

This beautiful class produces flowers of exquisite form and colors, and are very valuable for table bouquets and other floral decorations. 20 cents each ; \$2.00 per doz.

LILIES, ETC.

	Each.	Per doz.		Each.	Per doz.
Auratum. (New Golden Japan Lily). White ground with purple spots, flaked and striped with gold.....	\$0 25	\$2 50	Pardalinum. (Leopard).....	\$0 15	\$1 50
Elegans	10	1 00	Tigrida Pavonia. Crimson, spotted tiger flower.....	05	50
Lancifolium. Album, white Japan....	25	2 50	Tigrida Conchiflora. Yellow.....	05	50
“ Roseum, rose Japan....	20	2 00	Tigrinum. (Tiger).....	10	1 00
“ Rubrum, red “.....	20	2 00	Iris German. Mixed.....	10	1 00
			“ Kaempferi. Mixed.....	20	1 50

COLOCASIA (CALADIUM) ESCULENTUM.

One of the most beautiful and striking of the ornamental foliage plants, either for cultivation in large pots or tubs, or for planting out on the lawn. 1st size, 25c. each ; \$2.50 per doz. 2nd size, 15c. each ; \$1.50 per doz. Fancy leaved varieties, 25c. each ; \$2.50 per doz.

STRAWBERRY PLANTS.

WHEN ORDERED TO BE SENT BY MAIL, ADD 20 CENTS FOR POSTAGE ON EVERY 100 PLANTS.

The following list consists of the standard varieties in general cultivation :

	Per doz.	Per 100.
Michael's Early. An extra early variety ; prolific bearer ; color scarlet.....	\$0 30	\$1 50
Wilson's Albany. An old favorite, being a good cropper and unexcelled for shipping.....	25	1 00
Crescent Seedling. Prolific bearer ; size medium ; color bright scarlet. (Pistillate).....	25	1 00
Sharpless. Of large size and finest flavor.....	30	1 50
Bubach. A magnificent Strawberry extra ; large, prolific bearer (Pistillate).....	30	1 00
Parker Earle. New, berry uniformly large, conical shape, and finest color and quality ; plants vigorous and productive, and little affected by drought. (Staminate).....	30	1 50
Haverland. A vigorous grower ; fruit large, red and moderately firm. (Pistillate).....	25	1 00
Williams. This variety has given the greatest satisfaction wherever tried ; Strawberry growers everywhere are discarding the Wilson for the Williams. (Staminate).....	30	1 00

RASPBERRY PLANTS.

	Per doz.	Per 100.
Cuthbert Red. Vigorous and very hardy, an abundant bearer ; fruit large and finest flavor.....	\$0 40	\$1 50
Golden Queen. The best of all Yellow Raspberries.....	40	1 50
Gregg Black. The best of all the Black varieties.....	40	2 00

CURRANTS AND GOOSEBERRIES.

	Per doz.		Per doz.
Red Cherry	\$1 00	Black Naples	\$1 00
Victoria Red	1 00	Lee's Prolific Black	1 00
Raby Castle Red	1 00	Gooseberries. Smith's Improved.....	1 00
Fay's Prolific Red	1 50	“ Downing.....	1 00

When Currants, Gooseberries or Raspberries are ordered to be sent by mail, 30 cents additional must be remitted on each dozen ordered, to prepay postage. Express is the most satisfactory way of sending these plants.

CLEMATIS IN VARIETY.

There are no hardy climbing plants attracting more attention and admiration at the present time than the Clematis. They are in continuous flower from June till November, and are all perfectly hardy ; excellent for covering walls, trellises, porches, verandas, old stumps, etc. They require good, rich soil. In very dry weather, water occasionally.

- Duchess of Edinburgh.** Double, pure white, fragrant.
- Gem.** Deep lavender, the best of its color.
- Henryi.** Pure white, very large, by far the best of all the white varieties.
- Jackmanii.** The best known of all Clematis, intense violet purple.
- Jackmanii Superba.** The same color and character as Jackmanii, but of a stronger and more robust habit.
- Venus Victrix.** Delicate lavender, petals broad and flower quite double.
- Paniculata.** Creamy-white fragrant flowers, borne in the greatest possible profusion, a hardy and vigorous climber of undisputed value.

THE ABOVE IN STRONG TWO-YEAR PLANTS, PRICE 60 CENTS EACH.

CHOICE BEDDING PLANTS.

	Per doz.		Per doz.		Per doz.
Begonias	\$1 50 to \$2 00	Feverfew	\$1 00	Petunias, Double	\$1 50
Cannas, fine named	1 00 to 1 50	Geraniums	1 00	Picotees	1 50
Carnations	1 00	Heliotropes	1 00	Roses, Hybrid Perpetuals	1 50
Chrysanthemums	\$1 00 to 2 00	Pansies	50	“ Tea and Ever Blooming	1 25
Coleus	1 00	Petunias, Single	1 00	“ Moss	2 00
Verbenas.....per doz. 50 cents.					

FERTILIZERS.

The Buffalo Ammoniated Bone Superphosphate is a highly concentrated, active and efficient fertilizer. It is dry and finely powdered, therefore well adapted for drilling or sowing broad-cast; the soil quickly takes hold of it, and the plant derives just the nutriment needed. It is particularly adapted for wheat, corn, rye, buckwheat, oats, barley, grass, tobacco, hops and fruit trees, and the testimonials which can be produced certifying to the value of Bone Superphosphate as a fertilizer are unlimited, it frequently doubling the natural crop. For grain crop use 300 to 500 pounds per acre; for grass crops 250 to 300 pounds per acre. \$45 per ton, \$6.25 per barrel of 250 pounds, \$3.00 per 100 pounds.

Buffalo Pure Ground Bones for fertilizing purposes. Our ground bones are a very superior and carefully prepared fertilizer. A machine that will sow plaster will also answer the above. In Turnip culture they are particularly recommended. Apply at the rate of ten bushels (600 pounds) per acre, and drill in with the seed. Highly recommended for lawns, etc. \$3.00 per 100 lbs., \$5.00 per bag of 200 lbs., \$45 per ton.

Peruvian Guano. From the large amount of ammonia and phosphate contained in pure Guano, it is one of the most powerful stimulants for planting and growing crops. Before using it should be made fine, and may be mixed with loam, charcoal dust or plaster. It should not be mixed with lime or ashes; muck and clay also are not suitable. It should not come in contact with growing plants. As it is nearly soluble in water, it is most easily converted into liquid manure, and when applied in that form its effects are almost immediate. One pound of Guano to twenty gallons of water will be sufficiently strong for a single watering each week, or more efficient than repeated waterings with weaker solutions. Per lb. 10 cents, 25 lbs. \$2.00, 100 lbs. \$7.00.

Nitrate of Soda. A powerful fertilizer, containing a large percentage of nitrogen, the property which soil most requires. Per 100 lbs. \$3.50.

Gypsum, or Pure Land Plaster, is white. It has great power in seizing on the escaping ammonia and giving it to plant life. Gypsum is the cheapest, and especially when used in conjunction with manure, one of the most powerful fertilizers in nature. It also attracts moisture. Is used largely on all crops, and is of great benefit to Lawns, as well as to every sort of Fruit Trees, Vegetables or Flowers. Sow early in the spring and autumn, when verdure is moist. Best effect to sow light and often. In good linen bags containing 200 lbs., 75 cents per bag; \$6.50 per ton.

Hammond's Sward Food. A first-class top dressing, especially prepared for Lawns, Meadows and all grass lands, to assure a thick, matted growth of rootlets. It is bad for the grubs and brings no weeds. Approximate quantity to be used: For say 2,000 square feet, 25 lbs.; per acre, 600 to 1,000 lbs. No unpleasant odor, and quick results. For flowers, stir it in the soil and it will help to make a poor flower bed profuse, bountiful and beautiful. Morning Glories fairly revel from its effects, and so do all running vines and Cabbage, Kale and Spinach. Sward food is put up in bags of 5 lbs., 30c.; 10 lbs., 60c.; 100 lbs., \$4.50.

SPECIAL MANURES FOR HOUSE AND GARDEN PLANTS.

Peruvian Guano. This valuable food plant is put up in packages at 10 and 25 cents each. If wanted by mail add 5 cents postage on small package and 15 cents on large.

Aimes' Chemical Manure. One of the finest fertilizers known for all kinds of pot plants. It appears to be an insecticide as well as a stimulant. Per package, 10 and 25 cents each. If wanted by mail add 5 cents postage on small package and 15 cents on large.

PREPARATION FOR THE DESTRUCTION OF INSECTS.

Carbonate of Copper Fungicide. For destroying mildew, apple scab, etc. Contents of one jug are emptied into seven gallons of water, and it is then ready for use. In stone jugs 30c. each.

Church's Potato Bug Finish. One of the best destroyers of potato bugs on the market; has given splendid satisfaction. It is also recommended to destroy all insect life which feed on the leaves of plants, shrubs, bushes, etc. Use 25 lbs. to acre, and dust it on with fine sieve. Apply after a rain or after the dew in the morning, so that it will adhere to the vines. In 1 lb. canisters 10c. each, in 5 lb. lots 25c., in 25 lb. lots 60c., in 100 lb. lots \$1.50, barrels of 300 lbs. \$4.00.

Gishurst Compound (patented). For preventing and destroying red spider, mealy bug, mildew, green and brown fly, thrip, scale, blight, ants, etc. It is largely used by the leading horticulturists in Britain and America. Numerous testimonials accompany each box. Price, 50c. a box.

Hughes' Fir Tree Oil. This new insect destroyer has proved to be one of the most reliable for red spider, green fly, mealy bugs, scale, ants, thrip, onion fly, caterpillar, slugs, blight, etc. It is also much used as a dog wash. Fir Tree Oil is put up and sold in bottles with directions for its use. Per pint 75c.

Hammond's Thrip Juice kills lice and scale. A concentrated liquid insecticide for destroying the lice, scale, caterpillars, mealy bugs, etc. Non-poisonous diluted with two hundred times its bulk. Arseniated, for orchard use, dilute it four hundred times its bulk with water. Pint cans 40c., quart cans 75c.

Thomson's Styptic. A preparation for preventing the bleeding of vines; largely used by the leading horticulturists in Great Britain. Per bottle \$1.00.

Whale Oil Soap. For preserving flowers, shrubs, vines, and particularly rose bushes, from the destructive effects of slugs, grubs, worms, etc. In bars 20c. and 25c. each.

HAMMOND'S SLUG SHOT

Is the most valuable insecticide ever offered to farmers or gardeners, being fatal to insect life in every form in which they are injurious to vegetation. It is in the form of an impalpable powder, containing agents that will positively destroy the cut worm, potato bug, chinch bug, rose bugs, rose slugs, curculio, and all lice, worms or caterpillar upon melons, cucumbers, squash or grape vines, tobacco, cotton or egg plants, currants, fruit or ornamental trees, and all shrubs and flowering plants. It is especially destructive to the *Curran* and *Cabbage* worm.

Slug Shot not only acts as an insect destroyer, but it will be found to be an excellent fertilizer, as plants upon which it is used will be found to grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals, and does not deteriorate by age. On low growing plants it should be dusted on with a very fine sifter. Canisters with perforated top, filled with Slug Shot, 30. each. Price, 5 lb. package, 35c.; 10 lb. package, 65c.; in barrels of about 225 lbs., per lb., 4½c. in one barrel lots.

Labor Saving Implements.

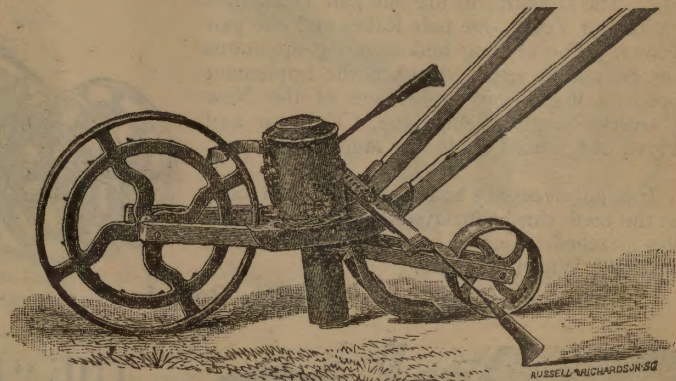
MATTHEWS' IMPROVED SEED DRILL.

With New Seed Cut-off and Improved Markers.

Is everywhere acknowledged to be the standard Drill of America. It has been many years in use, and its largely increasing sale is the best evidence of its merit.

It is designed for use in field or garden. When in operation it opens the furrows, drops the seed accurately at the desired depth, covers it, and lightly rolls the earth down over it, and at the same time marks the new row. It will sow *Beet, Carrot, Onion, Turnip, Parsnip, Sage, Spinage, Sorghum, Peas, Beans, Fodder Corn, Broom Corn, Etc.*, with a certainty, regularity and rapidity impossible for the most skilful hand to do.

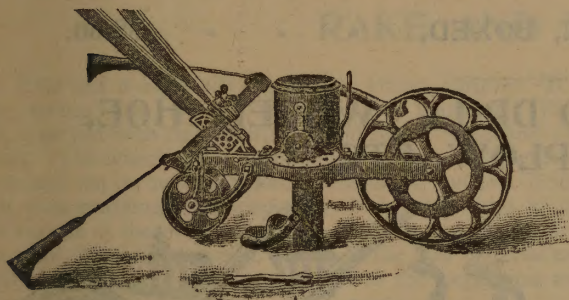
Price, Boxed, - \$9.00.



MATTHEWS' NEW UNIVERSAL HILL AND DRILL SEEDER.

Same in style and working qualities as the above, just described, but so arranged as to drop the seed either continuously in drills or at distances of 4, 8, 12, 16, 24 and 48 inches apart. Price, Boxed, \$10.00.

MATTHEWS' GARDEN GEM DRILL.

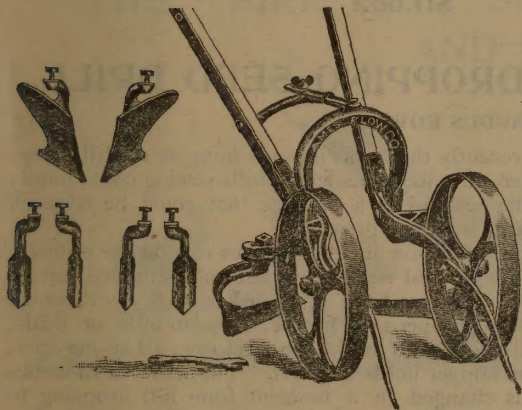


This has been perfected to meet the demand for a low-priced drill. We have not only accomplished this in our design, but here offer a drill with all the essential qualities of the Matthews principle, even to embodying Seed Dial and Indicator, from exactly same patterns as those used on the larger and more expensive drills. We do not recommend it for use instead of the larger drills, but we are sure that all in want of such a drill as we represent this to be will find it to their advantage to buy the Matthews Garden Gem. This drill does not have the new Seed Cut-off, but the Agitator can be checked same as in the larger drills.

Price, Boxed, - - - \$6.00.

MATTHEWS' NEW UNIVERSAL DOUBLE WHEEL HOE, CULTIVATOR AND PLOW.

Including one pair Rakes (not illustrated). Specially designed for working both sides of the row at one passing.



This new hand implement embraces all the good points of older efforts in the same line, and in addition offers new features which cannot fail of appreciation. The special recommendation is the *Adjustable Arch*, by which not only the *depth* of work can be gauged, but which, by an ingenious device enables the teeth to be pitched at any angle desired.

It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe, with successive strokes of length to suit the nature of soil and crop. It can be used either astride or between rows.

TO WORK BOTH SIDES of row at one passing, the attachments can be set to suit width of crop to be cultivated, keeping road midway between wheels; no need to watch the teeth.

THE HOE BLADES can be set to turn in or out as desired by the operator.

THE CULTIVATOR TEETH. Four are furnished with each. Two cultivator teeth can be used at desired width to mark out rows.

THE PLOWS. For furrowing they can be set close together and turn outward. For covering, set to width desired and turn inward.

THE DEPTH can be regulated by adjusting wheel arms in the three holes provided on each side of Arch, also by pitching the Arch by means of the Arch Brace and the Thumb Bolt where it connects to Lower Handle Brace.

THE LEAF GUARDS are to prevent Wheels from injuring large spreading foliage.

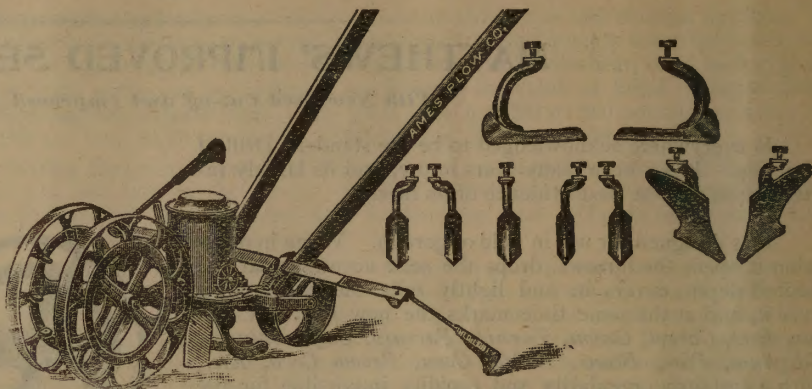
PRICE, BOXED, \$7.00.

PRICE, " (with one pair Hoe Blades only), \$4.00.

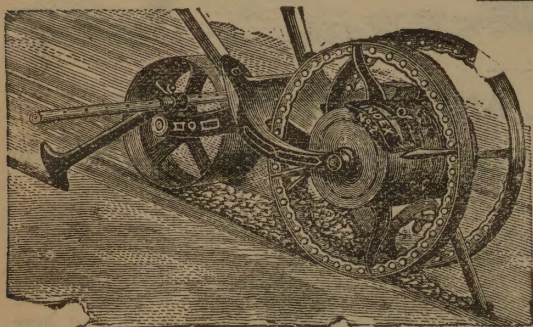
MATTHEWS' NEW UNIVERSAL DOUBLE WHEEL COMBINED DRILL, HOE, CULTIVATOR, PLOW, ETC., INCLUDING ONE PAIR RAKES (not illustrated).

THIS desirable combination of the **Garden Drill** already described with the new Universal Cultivating Attachments is one which cannot fail of recommending itself to all. The attachments are one pair Hoes, five Cultivator Teeth, one pair Rakes and one pair Plows. The seeding and covering apparatus can be readily removed, when the implement presents much the appearance of the New Universal Single Wheel Hoe, Cultivator and Plow, and is used to do the same work.

It is not necessary to remove the seed box, as the teeth can be inserted in the frame with this attached. Can be used either as a Double or Single Wheel Machine.



PRICE, Boxed, - - - - \$11.00.



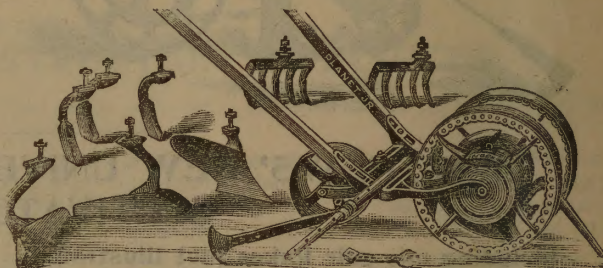
THE "PLANET JR." No. 2 SEED DRILL.

Sows all garden seeds accurately at any desired thickness or depth, opening, dropping, covering, rolling down and marking the next row in the most perfect and reliable manner, all at a single passage. It holds two-and-a-half quarts. It has no cams, covers brushes, cogs, springs or shakers to get out of order; it is noiseless, automatic, self-cleaning and accurate; remarkable for simplicity, strength, and for ease and perfection of work in the field. No one having use for a Seed Drill can afford any other; it is the latest improved and best.

PRICE, BOXED, - - - - \$8.00.

THE "PLANET JR." COMBINED DRILL, WHEEL, HOE, CULTIVATOR AND PLOW, ETC.

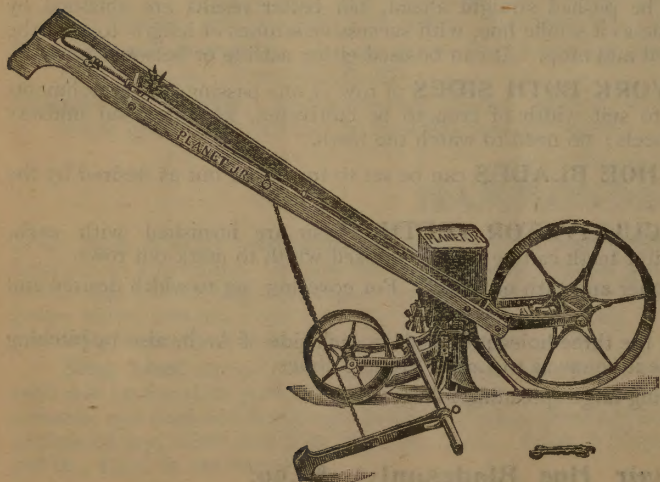
This tool is unrivalled in beauty of design, perfection of finish, convenience and capacity for work; it is suitable for either the farm or the garden. As a Seed Drill it is the same as the No. 2 except in size. It holds one quart. Each tool is supplied with one pair of long hoes, three reversible cultivator teeth, and a large garden plow. As a Hoe it works safely and closely both sides of the row at once when plants are small; between rows when plants are large, working all rows up to sixteen inches wide at one passage. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a Cultivator it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel. Easily changed from a Drill to its other uses.



PRICE, BOXED, - - - - \$11.00.

THE NEW "PLANET JR." No. 3 HILL DROPPING SEED DRILL.

SOWS EITHER IN HILLS OR IN CONTINUOUS ROW.



Until recently there was no such thing as a Hill Dropping Seeder, the most modern Drills sowing continuously only, but the demand for a machine that could be adjusted to sow in hills was very great.

This Drill will sow in a continuous row, in the ordinary way, with the greatest regularity; but its distinctive feature is that it will drop neatly in hills, either 4, 6, 8, 12 or 24 inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row, all at one operation. The hopper holds 3 quarts. The wheel is 13 inches high. It is changed in a moment from hill dropping to drill work. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed, and will not injure delicate seed, such as Radish Cabbage, etc., which are so often peeled or crushed by Drills having agitators or metal wheels. It is nicely adapted to all conditions of land, working especially well in fresh ground or when planting on a ridge. The plow is adjustable and opens a very narrow furrow, which is a great advantage for after cultivation.

PRICE, BOXED, - - - - \$11.00.

THE "PLANET JR." HILL DROPPING DRILL.

What the Drill will do. This Drill will sow in a continuous row, in the ordinary way, with the greatest regularity ; but its distinctive feature is that it will also drop neatly in hills, either four, six, eight or twelve inches apart. It opens the furrow, plants, covers, rolls down and marks the next row, all at one operation. The hopper holds two quarts. The wheels are fifteen inches high.

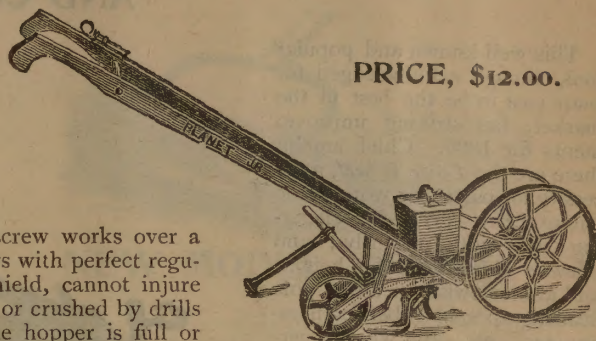
It is changed in a minute from hill dropping to drill work, by simply hooking up the "cut-off," and changed back again instantly by releasing it.

The drill has a force feed ; a peculiarly formed rubber double screw works over a diamond-shaped opening in the bottom of the hopper. While it sows with perfect regularity, the rubber feed wheel, revolving within a brass cylindrical shield, cannot injure delicate seed, such as radish, cabbage, etc., which are often peeled or crushed by drills having agitators or metal wheels. It sows equally well whether the hopper is full or contains only a paper of seed.

The setting is quickly and accurately done for the different seeds by a simple thumb-screw. An index plate, with the names of the principal seeds, is placed at the top of the right handle, and the screw is turned until the indicator stands opposite the name of the one to be sown.

Advantages. The use of this tool insures vigorous plants at equal distances. Usually seed is sown much thicker than is needed, and the young plants thinned out. This waste of seed and labor is saved by this drill.

The construction of the drill insures perfect uniformity in its work. It is nicely adapted to all conditions of land, working especially well in fresh ground, or when planting on a ridge, as it has two large driving wheels, placed six inches apart. This insures regular depth. The plow being adjustable and not following the wheel track, the covering is uniform ; and the force-feed insures regular planting. The plow opens a very narrow furrow, which is a great advantage in sowing onion seed.

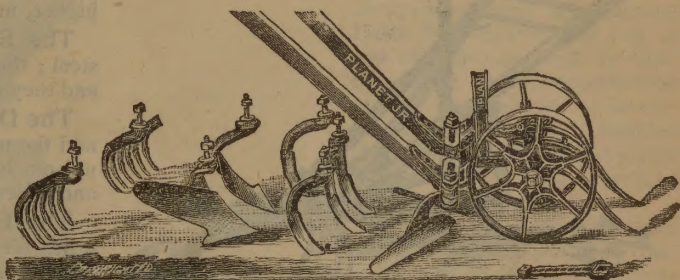


PRICE, \$12.00.

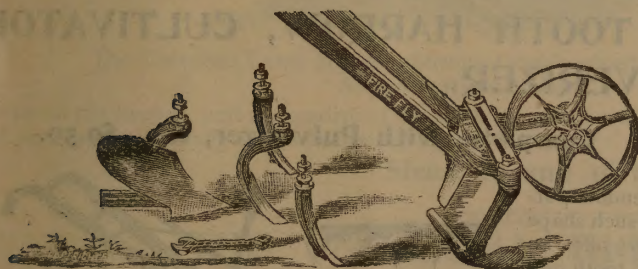
THE "PLANET JR." DOUBLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW COMBINED.

This tool is especially adapted to Onion culture. It is light, strong, firm, quickly set and easily managed. Each tool is set out with two hoes, four cultivator teeth and two plows. The wheels are adjustable in height, can be set four, seven and ten inches apart, and the arch is fourteen inches high, thus enabling the operator to work both sides of the row at once at the time when such work is most necessary. The tool is light, graceful, made of the best material and highly finished, and nothing can exceed the perfection and variety of work it performs.

PRICE, BOXED, - - - \$7.50
PLAIN DOUBLE WHEEL HOE, 4.50



THE "FIRE FLY" SINGLE WHEEL HOE, CULTIVATOR AND PLOW COMBINED.



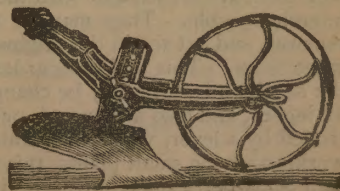
This convenient tool combines lightness and strength with great adjustability, it is highly polished and of the best tempered steel. The tools are : *First*, a pair of admirable hoes, which can be set to work to and from the row, and to any desired depth. *Next*, a set of three reversible cultivator teeth, to be used together or singly, or in conjunction with the hoes. *Third*, a large excellent garden plow. The whole tool is light and strong, and capable of standing hard usage for years, while the price is its final recommendation.

PRICE, Boxed, Complete, \$4.75.
" with Hoes only - 3.25.

THE "FIRE-FLY" WHEEL GARDEN PLOW.

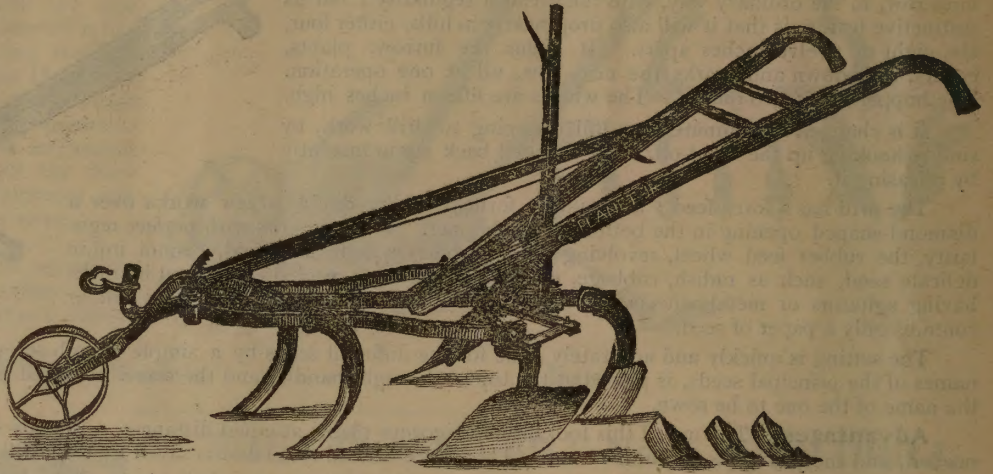
Makes the care of a Vegetable Garden a pleasure, and 10,000 families who could not find time to keep a garden, if attempting its cultivation with the ordinary hand hoe, can raise their own vegetables with the "Fire Fly." It takes the place of the horse and plow, or cultivator, requiring no headlands to turn on, and is invaluable during all the gardening season.

PRICE, - - - \$2.50.

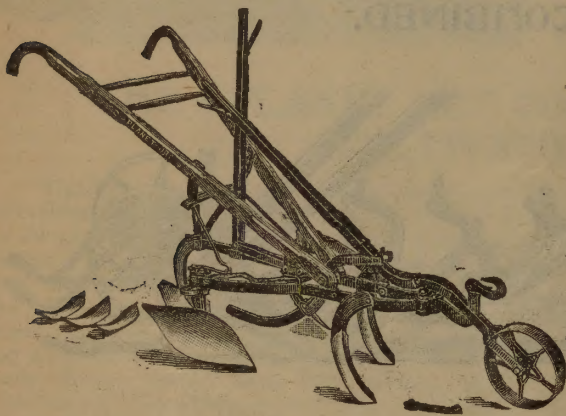


THE "PLANET JR." No. 6 COMBINED HORSE HOE AND CULTIVATOR.

This well-known and popular tool, though acknowledged for years past to be the best in the market, has striking improvements for 1896. Chief among these are the *Lever Wheel*, a necessity for particular work; the patent *Lever Expander*, changing the width instantly; and *Handle Adjustment* for height, and also sidewise for use in pole beans, grapes, blackberries, nursery stock, etc., and when covering. It also has the patent parallel frame, interchangeable and adjustable *Hollow Steel* standards, reversible blades, sleeved bolt holes, etc. As a *Horse Hoe*, with side teeth reversed, it cuts close to the row without injury to the roots, leaving but little and in many cases nothing for the hand hoe. As a *Cultivator*, the reversible teeth cut off and turn over the weeds in the most perfect style. As a *Hiller*, the side teeth work in combination with the rear shovel to perfection. **Price \$10.00; without Wheel, \$9.00.**



THE "PLANET JR." No. 8 HORSE HOE AND CULTIVATOR.



This is an improvement on the No. 6 Horse Hoe, and differs from it as follows:—

The Frame is longer than usual and about one-and-a-half inches higher, making a tool that will not clog easily.

The Standards are framed up hollow with round throats of stiff steel; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it.

The Depth is under perfect control by means of a new lever wheel, and the new patented depth regulator, which are moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator.

The Expander. This is an entirely new pattern superior to all other forms; exceedingly strong, simple, accurate and positive in all positions.

Handle and Braces. These are also absolutely new and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of handles in height and sidewise.

Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest.

PRICE, - - - - - \$10.50.

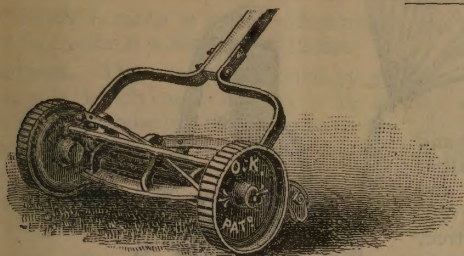
THE "PLANET JR." TWELVE TOOTH HARROW, CULTIVATOR AND PULVERIZER.

Price, Plain, \$6.50. With Wheel, \$8.00. Complete, with Pulverizer, &c., \$9.50.

This new tool is offered as the very best known for its intended purpose. The frame is high. The blades are an inch wide, and of such shape as to work in the most thoroughly satisfactory manner, and to offer an unusual amount of wearing surface. The recurved throat of the tooth and the high frame prevent clogging. The reverse position is quickly given to the teeth by changing a single bolt in each. The frame is heavy and strong. The teeth are set straight with the line of motion at medium width, and are interchangeable. They may be worn off three inches before requiring renewal, and yet retain the original cutting width, and are cheaply replaced when worn. This tool has our lever expander and lever wheel, by which the depth and width may be changed instantly while in motion from 32 to 12 inches, and also a thorough pulverizer attachment, which leaves the ground in the finest condition. The pulverizer is controlled by a lever, which is operated instantly by the foot while in motion. For fine cultivation, either deep or shallow, or for working among small plants, this tool has no equal. It cultivates deep without throwing earth upon the plants, and the teeth turn Strawberry runners without injuring them.



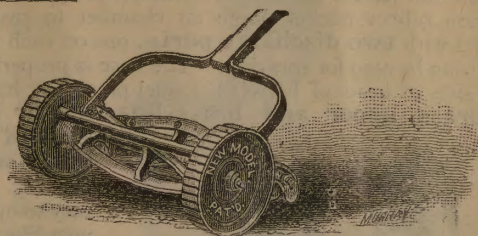
= = = LAWN MOWERS. = = =



THE "O. K."

14 inch cut.....\$5 00
16 inch cut..... 5 50

This Lawn Mower has been thoroughly tested, and we have no hesitation in recommending it in every respect as a first-class machine. For lightness of draft, simplicity of construction and adjustment this Lawn Mower is a great success; its quality is unquestioned, and it is fully guaranteed.



NEW MODEL MOWER.

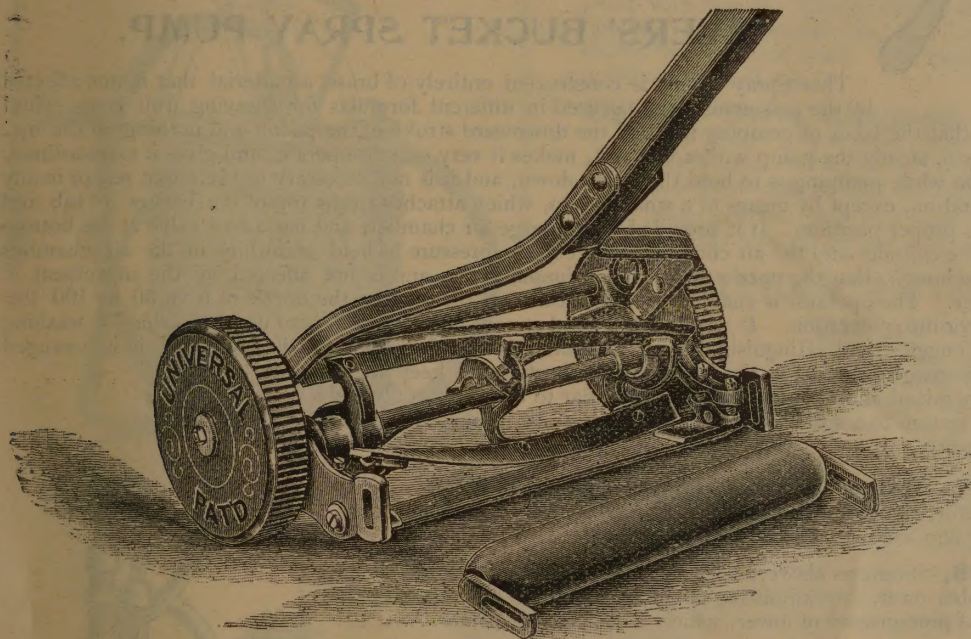
16 inch cut.....\$9 00

For simplicity, durability, and quality of work this Mower is superior to any in the market, while for lightness of draft, it excels any other Lawn Mower now manufactured. All that mechanical skill can devise, or the experience of a score of years in the manufacture of lawn mowers could suggest are embraced in the construction of the NEW MODEL LAWN MOWER.

NEW MODEL HIGH WHEEL MOWER.

This has all the good qualities of the famous "New Model," and in addition, besides other improvements, will cut higher grass than the ordinary Mower. **16 inch cut, \$10.00.**

THE UNIVERSAL LOW WHEEL MOWER.



The Universal Lawn Mower, showing Double-edged Bottom Knife and Noiseless Wood Roller.

placed on the market, and the quality of the work it performs will please the most fastidious. and each machine is fully tested before leaving the factory.

Sizes, 14 and 16 inch, \$4.00 each.

The Universal Low Wheel Mower has been constructed to meet the universal demand for a cheap, simple and light running Lawn Mower that any boy or girl can operate, and do first-class work. In the construction of this machine we have embraced many desirable features that are not possessed by any other Mower, adding greatly to its simplicity and durability.

The revolving cutter has three steel knives, steel shaft and malleable iron flanges. The journals have a new and simple device for taking up the wear. The knives are of the best quality of steel, and smaller parts are made of malleable iron. The adjustments are extremely simple, and the ratchet is the most durable ever produced. The wood roller is absolutely noiseless, and our double-edged bottom knife will outwear several ordinary Mower knives. We claim this machine to be the lightest running Mower ever

We fully guarantee every Mower,

THE UNIVERSAL HIGH WHEEL MOWER.

Our Universal High Wheel Mower for cutting either tall or short grass, is intended to meet the requirements for a cheap, strong, substantial and light running machine, for use in public and private parks, cemeteries and extensive lawns.

It is the result of years of experience in the manufacture of Lawn Mowers, and a trial will demonstrate it to be the simplest and lightest running High Wheel Mower ever offered to the public, and the quality of the work it performs is beyond criticism. The driving wheels are 9 inches in diameter. The revolving cutter consists of a steel shaft, malleable iron flanges, and the knives are of extra heavy steel of the best quality. The adjustments and ratchets while simple are also positive and *cannot* get out of order.

We use on this Mower our double edged bottom knife and noiseless wood roller, the merits of which must be seen to be appreciated.

These Mowers we fully guarantee, and every machine is thoroughly tested before leaving the factory.

Sizes 14 and 16 inch, \$5.50 each,

MYERS' DOUBLE ACTING BARREL SPRAY PUMP.

It has our patent submerged cylinder, is double acting, has patent expansion rubber bucket, large air chamber to cushion the spray, is provided with **two discharge ports**, one on each side, of which one or both can be used for spraying. The base is properly shaped to fasten on the side of head of barrel, has steel pins, long handle, and is fitted with **brass upper and brass-lined lower cylinders**, with

ground brass check valve and brass seat. No rubber or leather packing. It is very powerful and easy to operate; will throw an even, mist-like spray over any fruit tree, and will throw a solid stream sixty feet from the point of the nozzle. With the proper hose or pipe extension these pumps are adapted for use in vineyards, gardens or orchards for the extermination of any kind of insects that are injurious either to fruit trees, vines or foliage. **All barrel pumps fitted with agitator without additional charge.**

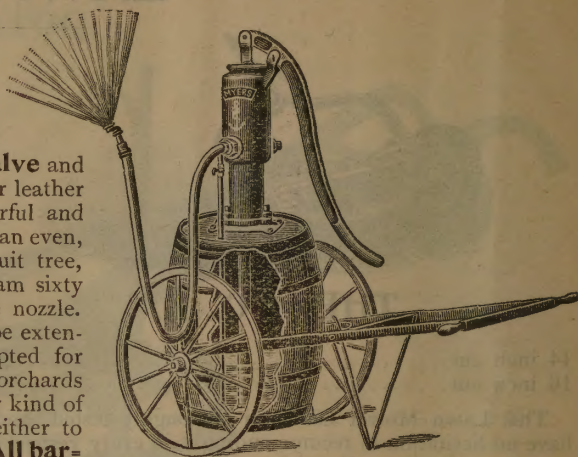


Fig. 477.

Fig. 477—Myers' Double Acting Barrel Spray Pump.

consisting of pump, five feet of $\frac{1}{2}$ or $\frac{3}{4}$ -inch 3-ply hose, Vermorel or Bordeaux spray nozzle, three feet of suction pipe, strainer and agitator, *not including barrel*, all working parts of brass.....\$ 8 00

Fig. 544—Same as above, but fitted with extra air chamber..... 9 00

Extra Lead of $\frac{1}{2}$ -inch 3-ply hose, five feet long, with Vermorel or Bordeaux spray nozzle, for running two streams from pump..... 1 50

Eight-foot Extension Pipe for above Pumps..... 50

MYERS' BUCKET SPRAY PUMP.

Fig. 544.

and shrubbery. It is so arranged that the labor of pumping is all on the downward stroke of the piston and nothing on the up; and the fact that it is not necessary to steady the pump with a foot rest, makes it very easy to operate, and gives it extraordinary power. The effect of this operation while pumping is to hold the pump down, and it is not necessary to use a foot rest or in any way steady the pump while in operation, except by means of a small clamp, which attaches to the top of the bucket or tub and steadies the pump, holding it in its proper position. It is provided with a large air chamber, and has a ball valve at the bottom

between the cylinder and the air chamber, whereby the pressure is held uniformly in the air chamber and on the hose so that the nozzle throws a continuous spray, and is not affected by the movement of the plunger. The operator is enabled to keep a constant pressure on the nozzle of from 50 to 100 lbs. with very ordinary exertion. It will throw a solid stream fifty feet, and is of unusual value for washing windows, buggies, and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet in the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only and a very necessary feature to a spray pump. The pump is also provided with a sprinkler for flowers.

Fig. 492—Myers' Bucket Brass Spray Pump. With Agitator, complete with hose and Myers' combination, fine, coarse, spray and solid stream nozzle, all of brass..... \$4 00

Fig. 598.—Same as above, excepting that it has an additional air chamber on it, thus admitting of the hose being connected at upper end of pipe instead of lower, which is preferred by some..... 4 00
Eight foot extension pipe for same..... 50
Vermorel or Bordeaux Nozzles..... 50

MYERS' FOUNTAIN KNAPSACK SPRAY PUMP.

Holds 5 Gallons. Weighs 52 lbs. when full. All working parts are Brass.

Fig. 599 represents the Myers' Fountain Knapsack, which is constructed of first quality Galvanized Iron, with round corners, built precisely the same as our regular Myers' Knapsack, with removable strainer and tight lid which prevents liquid from splashing on operator. It is fitted with adjustable straps so as to be carried on the back, or it can be carried by bail as shown by dotted lines.

It is tapped at both right and left hand lower corners and fitted with brass female ends to which hose are attached, either one or two strings of which may be used at one time. When one hose only is used the other opening is closed with a metal plug furnished for that purpose.

The Hose and Bulb are made of the best white rubber and protected at each end by coiled wire to prevent breaking.

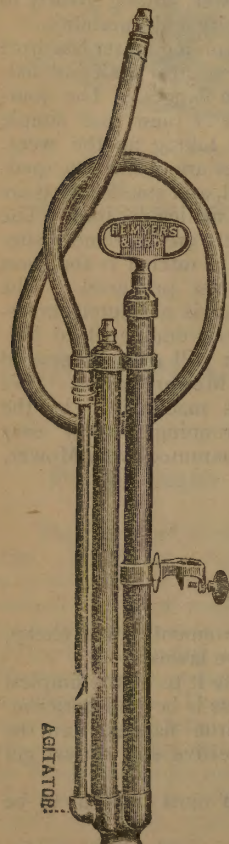


Fig. 598.

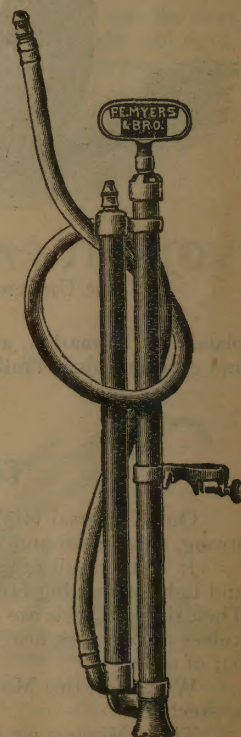


Fig. 492.

SPRAY PUMPS—Continued.

The Valves are made of brass and will not corrode, have large openings which permit the free flow of water and shut off instantly when under pressure.

The Nozzle is made of brass, nickel plated, has 50 small openings, and throws a spray 6 feet wide at a distance of 12 feet.

Operation. The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown at any distance from 3 to 15 feet as desired; on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated; to shut off flow of water entirely, use valve on hose for that purpose.

The operator can cover one or two rows of plants or vines as desired, and do the work at a rapid walk, thus covering a large amount of territory in a very short time.

Fig. 599—Myers' Fountain Knapsack Spray Pump.

With one tube, rubber bulb and rose..... \$4 00
Above with two tubes, rubber bulbs and roses, worked by both hands.... 5 25

MYERS' KNAPSACK SPRAY PUMP.

Fig. 547 represents the Myers' Knapsack Spray Pump. The tank holds five gallons, is fitted with lid and strainer, which can be removed. The pump is our regular Brass Bucket Spray Pump (described on page 70), with large air chamber, ball valves, solid plunger and agitator. We wish to call attention to the fact that

this is the only Knapsack outfit on the market with an agitator. It is so arranged that no water can drip on the operator. The pump can be removed easily. The pump is also fitted with a handle, so that the operator can use it the same as our tank with bucket pump, viz.: Set the knapsack on the ground and work pump with handle. Can be carried by hooking snap in staple on the opposite side, provided for that purpose, making a neat handle, as shown by the dotted lines. The handle lever can be shifted from right to left shoulder at will.

Fig. 547—Myers' Knapsack Spray Pump. Fitted with 5 feet of $\frac{1}{2}$ inch hose, Pipe extension and Bordeaux Spray Nozzle, which can be graduated from a fine mist spray to a solid stream, or shut off entirely. Galvanized Tank.. \$7 00

Same pump as above, only that Tank is made entirely of copper and thus resists the action of strong compounds..... 11 00

MYERS' LEVER BUCKET SPRAY PUMP.

This is the latest invention in reliable pumps and has more advantages than any other make. It combines the advantages of the Barrel Pump and the Bucket Pump. It is made of brass with ball valves, the handles and foot rest being of malleable iron. The work is all done on the down stroke of the handle and can be operated with one-third the power required for any other Bucket Pump. It is provided with air chamber, ball valve, agitator, etc., same as Fig. 598.

Fig. 632—Myer's Lever Bucket Brass Spray Pump complete with hose and Myers' combination, fine, coarse, spray and solid stream Nozzle... \$5 00
8 ft. Pipe extension..... 50
Vermorel or Bordeaux Nozzles..... 50

The Little Giant Geared Hand Broadcast Seed Sower.

The most convenient, substantial, and latest improved crank Seed Sower in the market. Has a pressed distributing wheel, hand hold on the side, and no feed plate to carry. Satisfaction guaranteed.

The Little Giant Hand Broadcast Seed Sowers will distribute Flax and Clover Seed 36 feet to the round; Wheat 50 feet to the round; Timothy Seed 27 feet to the round; Oats 36 feet to the round.

PRICE, - - - \$2.75.



Fig. 599.

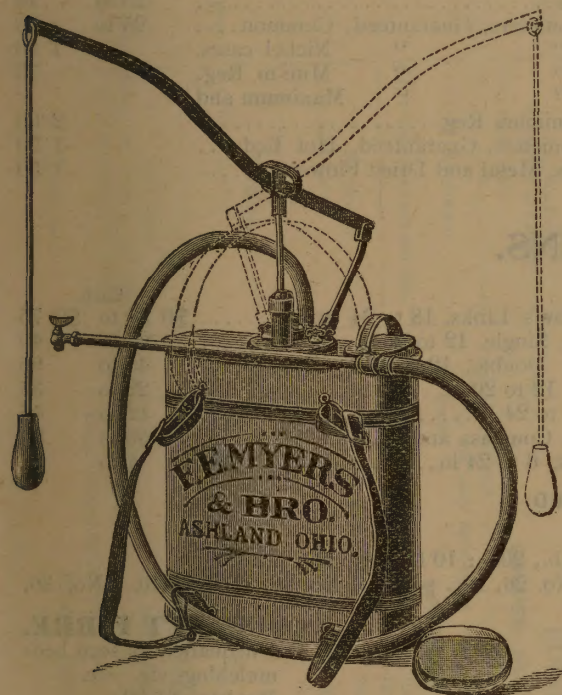


Fig. 547.*

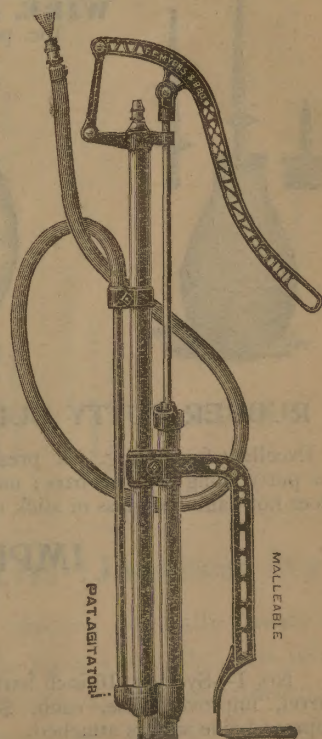


Fig. 632.

GARDEN REQUISITES AND FLORISTS' SUPPLIES.

	Each.	
Aphicides.....	\$0 50	
Asparagus Bunchers.....	1 50	
Atomizers and Sprinklers.....	50	
Bouquet Papers, 4 to 5 inch.....	\$0 45 to 60	
Button Hole Tubes.....	5	
Bellows, for dusting plants, shrubs, etc....	1 50	
Baskets, Berry, per 1,000.....	4 00	
“ Plant, “.....	7 00	
Bass Mats, Archangel.....	75	
Chenille, per bunch.....	50	
Cape Flowers, per bunch, wired.....	15	
Flower Pots and Saucers, 3 to 12 inch....	3 to 45	
“ “ fancy, 5 to 8 inch.....	15 to 50	
“ Japanese ware, 7 to 12 inch..	1 00 to 3 00	
Florists' Companions.....	75	
Forks, Potato and Manure.....	1 00 to 1 50	
Grafting Wax, French, per tin.....	50	
Glaziers' Points, Van Reyepers, per 1,000.	75	
Grass China, for tying, per lb.....	30	
“ Roffea, “.....	30	
Hooks, Brier and Bill.....	1 00 to 1 50	
Hoes, Garden.....	50 to 75	
“ Dutch or Scuffle.....	35 to 50	
Hanging Baskets, Wire.....	25 to 75	
Irons, Edging.....	1 00 to 1 25	
Immortelles, Purple or white, per bunch..	40 to 50	
Knives, Pruning and Budding.....	75 to 1 25	
Lines, Garden.....	25 to 50	
Pot Covers, Fancy Paper.....	10 to 25	
“ Lattice.....	10	

	Each.	
Pots, Watering.....	\$0 50 to \$1 50	
Pencils, Weatherproof.....	10	
Ploughs.....	9 00 to 15 00	
Rakes, Best Cast Steel.....	50 to 1 50	
“ English lawn.....	1 00 to 2 00	
Rustic Chairs.....	1 00	
“ Vases, per pair.....	1 25	
“ Sofas.....	1 50	
Rollers, Garden.....	10 00 to 20 00	
Saws, Pruning.....	1 00 to 1 50	
Scythes, Patent English, Best.....	1 25 to 1 50	
Scythe Stones.....	10 to 20	
Shovels.....	50 to 1 00	
Spades, English, Parke's.....	1 50	
Spuds for Thistles, etc.....	30 to 50	
Scissors, Flower Gatherers.....	50	
“ Grape Thinners.....	75	
“ “ Pruners.....	1 00	
Shears, Hedge.....	1 00 to 1 50	
“ Grass, Edging.....	50 to 1 50	
“ Pruning.....	1 50 to 2 00	
Trowels.....	25 to 75	
Thermometers, Guaranteed, Common....	25 to 50	
“ “ Nickel cases.....	1 00	
“ “ Mini'm Reg.....	75	
“ “ Maximum and Minimum Reg.....	2 00	
Thermometers, Guaranteed, Hot Bed....	1 50	
Wreaths, Metal and Dried Flowers.....	1 50	

FLORAL DESIGNS.

	Each.	
Anchors, 9 to 30 in.....	\$0 15 to \$0 70	
Broken Column, 12 to 24 in.....	25 to 75	
Crosses, 8 to 26 in.....	4 to 18	
Gates Ajar, 12 to 24 in.....	1 25 to 1 75	
Hearts, 8 to 20 in.....	12 to 35	
Horseshoes, 6 to 16 in.....	12 to 35	
Maltese Cross, 8 to 20 in.....	14 to 40	

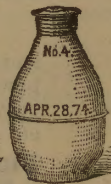
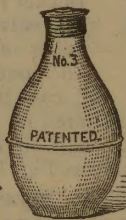
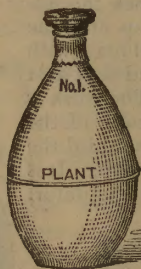
	Each.	
Oddfellow's Links, 18 to 24 in.....	\$0 50 to \$0 75	
Pillows, Single, 12 to 20 in.....	22 to 40	
“ Double, 12 to 24 in.....	45 to 95	
Sickles, 12 to 20 in.....	22 to 35	
Stars, 7 to 24 in.....	12 to 45	
Square, Compass and G., 16 to 24 in....	50 to 85	
Wreaths, 6 to 24 in.....	4 to 25	

OTHER DESIGNS SUPPLIED.

TINFOIL (subject to change). 5 inch wide, per lb., 20c.; 10 lb. lots, 15c. per lb.
WIRE, ANNEALED. No. 24, 10c. per lb.; No. 26, 12c. per lb.; No. 28, 15c. per lb.; No. 30, 18c. per lb.; No. 36, 25c. per lb.

COCOANUT FIBRE.

Unequalled for seed beds
 mulching, etc., etc.
 Per bag, \$1.00.



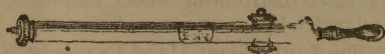
No. 1, \$1.25. No. 2, \$1.00. No. 3, 90c. No. 4, 75c. No. 1 Angle, \$1.25. No. 2, \$1.15

RUBBER PUTTY BULB. Price, \$1.25.

Excellent for glazing. A pressure with the hand ejects the putty along the sash bars; makes a tight and neat joint. Does not daub the glass or stick to the hands.

SCOLLAY'S RUBBER PLANT SPRINKLER.

Indispensable for Floral Work and Window Gardening, and very useful for dampening clothes or sprinkling in any way.

IMPROVED BRASS GARDEN SYRINGES.

No. 1—Syringe, 16 inch barrel, each, \$2.50. No. 2—Full size, 18 inch barrel, each, \$2.75. No. 3—Full size, 18 inch barrel, improved rose, each, \$3.00. No. 4—Full size, Reed's 18 inch barrel, ball valve, each, \$4.00. Each Syringe has improved side screws attached.

Improved Zinc Syringe, for Fruit Trees, 75c. each.

SPRAYING CALENDAR.

Plant.	1st Application.	2nd Application.	3rd Application.	4th Application.	5th Application.	6th Application.
<i>Apple.</i> Apple spot fungus, codling moth, bud moth.	<i>Copper Sulphate</i> Before buds start (<i>Important.</i>)	<i>Bordeaux.</i> Just before blossoms open. (<i>Important.</i>)	<i>Bordeaux.</i> <i>Paris Green.</i> —Soon after blossoms fall. (<i>Important.</i>)	<i>Bordeaux.</i> <i>Paris Green.</i> —10-15 days later.	<i>Bordeaux.</i> 10-15-days later if spot disease is severe.	
<i>Cherry.</i> Rot, leaf diseases and injurious insects.	<i>Bordeaux.</i> Before flower buds open. <i>Kerosene Emulsion</i> for aphids.	<i>Bordeaux.</i> <i>Paris Green.</i> —When fruit has set. (<i>Important.</i>)	<i>Bordeaux.</i> <i>Paris Green.</i> —10-15 days later. (<i>Important.</i>)	<i>Ammoniacal Copper Carbonate.</i> 10-15 days later. (<i>Important.</i>)		
<i>Grape.</i> Mildew, rot, leaf eating insects.	<i>Copper Sulphate.</i> Before buds start.	<i>Bordeaux.</i> <i>Paris Green.</i> —When first leaves are half grown.	<i>Bordeaux.</i> When fruit has set.	<i>Bordeaux.</i> 10-15 days later.	<i>Bordeaux.</i> 10-15 days later if disease persists.	<i>Ammoniacal Copper Carbonate.</i> If disease persists.
<i>Peach—Apricot.</i> Rot, leaf curl, curculio.	<i>Copper Sulphate.</i> <i>Paris Green.</i> —Before buds start	<i>Bordeaux.</i> 3 lbs. copper sulphate ; 3 lbs. lime ; 50 gals. water. <i>Paris Green</i> (4 oz.)—Just before blossom.	<i>Bordeaux.</i> <i>Paris Green.</i> —Soon after fruit has set.	<i>Bordeaux.</i> <i>Paris Green.</i> —8-12 days later.	<i>Bordeaux.</i> 8-12 days later if rot is prevalent.	<i>Ammoniacal Copper Carbonate.</i> 10-15 days later if rot is prevalent.
<i>Pear.</i> Scab, leaf blight, codling moth.	<i>Copper Sulphate.</i> Before buds start. (<i>Important.</i>)	<i>Bordeaux.</i> Just before blossoms open. (<i>Important.</i>)	<i>Bordeaux.</i> <i>Paris Green.</i> —Soon after blossoms fall. (<i>Important.</i>)	<i>Bordeaux.</i> <i>Paris Green.</i> —10-12 days later.	<i>Bordeaux.</i> 10-15 days later.	
<i>Plum.</i> Rot, shot hole fungus, curculio.	<i>Copper Sulphate.</i> <i>Paris Green.</i> —Before buds open.	<i>Bordeaux.</i> <i>Paris Green.</i> —Soon after blossoms have fallen. (<i>Important.</i>)	<i>Bordeaux.</i> <i>Paris Green.</i> —10-12 days later.	<i>Bordeaux.</i> <i>Paris Green.</i> —10-15 days later.	<i>Ammoniacal Copper Carbonate.</i> 10-15 days later if rot is prevalent.	<i>Ammoniacal Copper Carbonate.</i> 10-20 days later if rot is prevalent.
<i>Currant.</i> Fungous diseases, "currant worm."	<i>Paris Green.</i> When worms appear.	<i>Hellebore.</i> When fruit is fully formed.	<i>Bordeaux.</i> After fruit is picked.	<i>Bordeaux.</i> 10-15 days later.		
<i>Gooseberry.</i> Mildew, "currant worms."	<i>Bordeaux.</i> <i>Paris Green.</i> —As soon as leaves expand.	<i>Hellebore. Bordeaux.</i> 10-15 days later.	<i>Ammoniacal Copper Carbonate.</i> 10-15 days later.			
<i>Raspberry, Blackberry, Dewberry.</i> Anthracnose, rust.	<i>Copper Sulphate.</i> Before buds burst.	<i>Bordeaux.</i> 10-15 days later.	<i>Bordeaux.</i> After old canes are cut out.			
<i>Strawberry.</i> Rust.	<i>Bordeaux.</i> After first blossoms have fallen.	<i>Bordeaux.</i> After picking season.	<i>Bordeaux.</i> 10-15 days later.			
<i>Bean.</i> Anthracnose.	<i>Copper Sulphate.</i> ½ oz. to 1 gal. water. Soak 1 hour.	<i>Bordeaux.</i> When rough leaves appear.	<i>Bordeaux.</i> 3-12 days later			
<i>Potato</i> Scab, rot, insects.	<i>Corrosive Sublimate.</i> 2 oz. to 16 gals. water. Soak 1½ hours.	<i>Paris Green.</i> For Col. pot. beetle. <i>Bordeaux</i> for flea beetle.	<i>Bordeaux.</i> From 1st August till end of season, two weeks apart.			
<i>Tomato.</i> Rot, blight.	<i>Bordeaux.</i> First appearance of rot.	<i>Bordeaux.</i> When necessary.	<i>Bordeaux.</i> Same.			

FUNGICIDES.

COPPER SULPHATE SOLUTION.

Copper sulphate.....1 lb. | Water.....25 gals.
For use *only before the buds open.* It is ready for use as soon as dissolved in the water.

BORDEAUX MIXTURE.

Copper sulphate.....4 lbs. | *Paris green* (for leaf eating insects). 4 oz.
Quick lime.....4 lbs. | Water (1 barrel)40-50 gals.
To prevent potato rot 6 lbs. of copper sulphate is used instead of 4.

AMMONIACAL COPPER CARBONATE.

Copper carbonate.....5 oz.
Ammonia.....2 qts.
Water (1 barrel).....40-50 gals.
For use late in the season when *Bordeaux* mixture may stain the fruit. It is also best adapted for green-house spraying.

INSECTICIDES.

KEROSENE EMULSION.

Kerosene (coal oil). 2 gals. | Rain water.....1 gal. | Soap.....½ lb.
To be diluted before use with 9 parts of water. For sucking insects.

PARIS GREEN AND WATER.

Paris Green.....1 lb. | Lime (fresh).....1 lb. | Water.....200 gals.
For insects which eat foliage.

AMPELOPSIS, VEITCHI (Japanese Ivy).

This handsome and rapid-growing climber, generally known as Boston Ivy, is adapted for covering brick or stone houses or walls. Its foliage, which is a lively green in summer, changes in autumn to brilliant crimson, producing a most gorgeous effect. It will, in a short time, entirely cover the side of a large building, and far surpasses the Ivy. Strong Plants 25 cents each ; \$2.50 per dozen.



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